



The Pennsylvania Department of Revenue

Bureau of Research

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## The Pennsylvania R&D Tax Credit Statute

On May 7, 1997, Act 7 of 1997 created the Pennsylvania research and development (R&D) tax credit. The R&D tax credit provision became Article XVII-B of the Tax Reform Code of 1971 (TRC). The intent of the R&D tax credit was to encourage taxpayers to increase R&D expenditures within the Commonwealth in order to enhance economic growth. The terms and concepts used in the calculation of the Commonwealth's R&D tax credit are based on the federal government's R&D tax credit definitions for qualified research expense.<sup>1</sup>

For R&D tax credits awarded between December 1997 and December 2003, Act 7 of 1997 authorized the Department of Revenue (Department) to approve up to \$15 million in total tax credits per fiscal year. Additionally, \$3 million of the \$15 million was set aside for "small" businesses, where a "small business" is defined as a "for-profit corporation, limited liability company, partnership or proprietorship with net book value of assets totaling…less than five million dollars (\$5,000,000)."

Over the years, several changes have been made to the R&D tax credit statute. Table 1 lists all of the acts that have changed the R&D tax credit statute, along with the applicable award years, the overall tax credit cap and the "small" business set aside.

History of K&D Tax Credit Legislation							
Legislation	Award Years	Total Tax Credit Cap	Small Business Set Aside				
Act 7 of 1997	1997 - 2003	\$15.0 million	\$3.0 million				
Act 46 of 2003	2004 - 2005	\$30.0 million	\$6.0 million				
Act 116 of 2006	2006 - 2008	\$40.0 million	\$8.0 million				
Act 48 of 2009	2009	\$20.0 million	\$4.0 million				
Act 48 of 2009	2010	\$18.0 million	\$3.6 million				
Act 26 of 2011 <sup>2</sup>	2011 - 2016	\$55.0 million	\$11.0 million				
Act 85 of 2012 <sup>3</sup>	Sunset Date Repealed	Unchanged	Unchanged				

Table 1. Pennsylvania Research & Development Tax Credit ProgramHistory of R&D Tax Credit Legislation

One of the more noteworthy features of the R&D tax credit program is the ability for R&D tax credit recipients to sell unused tax credits to other taxpayers. Act 46 of 2003 allowed R&D tax credit recipients to apply to the Department of Community and Economic Development (DCED) to sell or assign an R&D tax credit if there has been no claim for allowance filed within one year from the date that the Department approved the credit. According to Act 48 of 2009, for R&D tax credits awarded in December 2009 and forward, the one year holding period is no longer in effect; credits awarded in 2009 and forward can be sold immediately. The

<sup>&</sup>lt;sup>1</sup> Public Law 99-514, 26 U.S.C. § 41.

<sup>&</sup>lt;sup>2</sup> The prior sunset date was established by Act 116 of 2006.

<sup>&</sup>lt;sup>3</sup> Act 85 of 2012 repealed the sunset date for the R&D tax credit.

purchaser or assignee must still use the newly obtained R&D tax credit in the taxable year in which the purchase or assignment of the credit is made. The purchased or assigned R&D credit cannot be used to offset more than 75 percent of a tax liability for a taxable year. The purchased or assigned credit cannot be carried over, carried back, resold or refunded. The provision to sell or assign unused R&D tax credits applies to credits awarded in December 2003 and forward, but the initial sale or assignment could not take place until at least December 2004.

The R&D tax credit may be claimed against the following taxes: the capital stock and franchise tax (CSFT), the corporate net income tax (CNIT) and the personal income tax (PIT). Taxpayers claiming the credit against any of these taxes may not reduce their tax liability for taxable years 2004 and earlier by more than 50 percent. Act 46 of 2003 eliminated this provision starting with tax year 2005; a taxpayer is able to use the awarded R&D tax credit to reduce a given tax liability by up to 100 percent. Taxpayers awarded R&D tax credits by the Department may carry over and apply any unused tax credit for up to fifteen (15) succeeding taxable years.

The Pennsylvania R&D tax credit, which is calculated using the increase over the taxpayer's base year research expenses for qualified R&D conducted within Pennsylvania, originally generated a tentative credit at the rate of 10 percent. However, Act 116 of 2006 increased the rate at which the tentative R&D tax credit is calculated to 20 percent for small businesses only beginning with the credit awarded in December 2006 and forward.

Taxpayers must submit an application to the Department by September 15th to apply for the R&D tax credit. The credit is for qualified Pennsylvania research expenditures made in the taxable year ending in the prior calendar year. The Department has until December 15th to notify taxpayers of their approved tax credit amount.

#### Major R&D Tax Credit Provisions in Act 46 of 2003

Act 46 of 2003 mandated that the Department report to the General Assembly the names of all taxpayers awarded R&D tax credits in each year starting in 2004 and for each year thereafter. Appendix A at the end of this report lists the name of each taxpayer receiving the R&D tax credit from the Department in December 2011, 2012 and 2013, along with the amount of credit received and utilized. In an effort to control the size of the document, this report will only list the names of taxpayers who have received the R&D tax credit in the current year and the two preceding years. Reports from earlier years will still be available that retain information on earlier years.

The other major change in the R&D tax credit program made by Act 46 of 2003 was the creation of the R&D Tax Credit Assignment Program. The program, which is primarily administered by DCED, permits taxpayers with unused R&D tax credits to sell them for cash to other taxpayers who can use them. The goal of the program is to "assist the growth and development of technology-oriented businesses, particularly small start-up technology businesses."<sup>4</sup> These small start-up firms, which often do not have significant tax liabilities in their early years, receive cash for their unused R&D tax credits.<sup>5</sup> The purchasers of the unused R&D tax credits are then able to partially offset their own tax liabilities with the unused credits.

The earliest that unused R&D tax credits could be sold was December 2004, for credits awarded by the Department in December 2003. Taxpayers can only sell unused amounts of tax credits that exceed any collectible tax liability against which the credit may be offset. S Corporations may not apply to sell or assign any credit that has been passed-through to its shareholders. In order to sell an unused credit, the taxpayer must file an application with DCED. The application identifies the seller and the R&D tax credit that it intends to sell, along with the buyer and the amount for which the credit is being sold or assigned.

<sup>&</sup>lt;sup>4</sup> "Research and Development Tax Credit Assignment Program Guidelines," DCED, September 2004.

<sup>&</sup>lt;sup>5</sup> "Unused R&D tax credits" means that the taxpayer has not applied the tax credits against a specific tax year liability. Further, the taxpayer cannot sell the tax credit if it has any unpaid liabilities against which the tax credit could be used.

The buyer of the unused R&D tax credit can use it to offset up to 75 percent of a qualified tax liability in a tax year. The buyer cannot carry forward, carry back, get a refund for or reassign the purchased credit. Further, the buyer must use the purchased tax credit against a qualified tax liability in the taxable year in which it was transferred. Lastly, the buyer must identify to the Department the taxpayer from which they bought the unused R&D tax credit.

An R&D tax credit will be considered to be unused and, therefore, available for sale as long as it is not applied against a specific tax year liability and the taxpayer does not have a collectible tax liability. As of February 2014, \$65.0 million of the \$343 million R&D tax credit awarded between December 2003 and December 2012 (i.e., 19 percent of the \$343 million) has been sold or assigned. Purchasers of those unused tax credits have paid \$60.9 million for them in total, or 93.7 percent of the value of the unused tax credits.

Tax credit sales are often arranged by a broker, who provides a service by bringing together sellers and buyers of credits, and in return takes a portion of the tax credit as their fee. The Department does not have complete data about these arrangements. However, DCED staff has stated that the level of broker fees can vary widely, but the average broker fee is in the range of 5 to 6 percent of the value of the credit.

The complete statistics on sold or assigned unused tax credits by award year are shown in Table 2.

# Table 2. Pennsylvania Research & Development Tax Credit Program Complete Statistics on the Sale or Assignment of Unused R&D Tax Credits (Smillions)

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	D º D	U	Number of		Democrat of Malara
<i>a</i>	R&D	Unused Tax	Taxpayers		Percent of Value
Credit	Credit	Credits	Sold/Assigned	Unused Tax	Unused Tax
Awarded In	Awarded	Sold/Assigned	Unused Credit	Credits Sold For	Credits Sold For
Dec 2003	\$15.0	\$ 1.3	18	\$ 1.2	89.6%
Dec 2004	\$30.0	\$ 3.7	44	\$ 3.3	90.1%
Dec 2005	\$30.0	\$ 9.2	50	\$ 8.6	93.3%
Dec 2006	\$40.0	\$ 8.7	72	\$ 8.2	94.0%
Dec 2007	\$40.0	\$ 8.8	84	\$ 8.4	95.8%
Dec 2008	\$40.0	\$ 10.5	114	\$10.0	95.3%
Dec 2009	\$20.0	\$ 4.9	99	\$ 4.6	93.6%
Dec 2010	\$18.0	\$ 2.7	97	\$ 2.5	93.7%
Dec 2011	\$55.0	\$ 12.7	97	\$11.8	93.1%
Dec 2012	\$55.0	\$ 2.5	58	\$ 2.3	91.6%
TOTAL	\$343.0	\$ 65.0		\$ 60.9	93.7%

## R&D Tax Credit Claimed and Awarded in Pennsylvania for December 2013

Table 3 shows the amount of R&D tax credit awarded by the Department in 2013 for qualified research expenditures made by taxpayers in Pennsylvania in taxable year 2012. Without the \$55 million cap, \$94.5 million in credit would have been awarded to 631 taxpayers. 75 percent of approved taxpayers received an R&D tax credit of less than \$50,000, receiving 13.2 percent of the total amount of approved credit. Taxpayers with an approved R&D tax credit of \$50,000 or more claimed 86.8 percent of the approved credit amount. The 157 taxpayers receiving \$50,000 or more in credit represented 25 percent of the total number of applicants.

Actual Credit Range	Number of Applicants	Percent of Applicants	Tentative Credit Amount	Actual Credit Amount	Percent of Actual Credit
\$0 - \$4,999	131	20.8%	\$444,434	\$310,592	0.6%
\$5,000 - \$19,999	202	32.0%	\$3,515,307	\$2,384,118	4.3%
\$20,000 - \$49,999	141	22.3%	\$6,394,013	\$4,557,461	8.3%
\$50,000 - \$99,999	67	10.6%	\$6,712,701	\$4,539,414	8.3%
\$100,000 - \$499,999	75	11.9%	\$25,673,964	\$15,481,631	28.1%
\$500,000 - \$999,999	5	0.8%	\$6,258,427	\$3,354,594	6.1%
\$1,000,000 & greater	10	1.6%	\$45,469,464	\$24,372,191	44.3%
TOTAL	631	100%	\$94,468,310	\$55,000,000	100%

Table 3. Pennsylvania Research & Development Tax Credit ProgramTentative and Actual Credit for Tax Year 20136

Table 4 details the tentative amount of R&D tax credit awarded by the Department for each year through December 2013.

Credit Awarded In	Number of Applicants	Tentative Credit Amount	Credit Awarded In	Number of Applicants	Tentative Credit Amount
Dec 1997	292	\$66,371,038	Dec 2006	379	\$78,640,025
Dec 1998	270	\$56,572,339	Dec 2007	439	\$94,732,918
Dec 1999	275	\$53,456,489	Dec 2008	466	\$90,712,865
Dec 2000	284	\$59,207,493	Dec 2009	507	\$80,208,000
Dec 2001	293	\$71,407,604	Dec 2010	488	\$94,419,561
Dec 2002	254	\$74,255,800	Dec 2011	537	\$130,551,357
Dec 2003	242	\$70,191,922	Dec 2012	569	\$106,966,882
Dec 2004	274	\$70,932,913	Dec 2013	631	\$94,468,310
Dec 2005	291	\$65,806,128			

Table 4. Pennsylvania Research and Development Tax Credit ProgramTotal Tentative Tax Credit Awarded By Year, 1997-2013

From its inception through December 2013, the R&D tax credit program has awarded a total of \$488 million in tax credit to 2,085 different taxpayers. Without any caps on annual awards, \$1,358.9 million in R&D tax credit would have been awarded to those same 2,085 taxpayers. Over the years, the varying annual credit caps have reduced the amount of R&D tax credit that would have been awarded to 36 percent of what was requested.

Table 5 presents the R&D tax credit awarded in December 2013 by business type.

<sup>&</sup>lt;sup>6</sup> Detail may not add up due to rounding; 111 other applicants were rejected and did not receive any credit.

	Actual CI	cuits by Dusiness	1 ypc m 2013	
	Number of	Percent of	Actual Credit	Percent of
Business Type	Taxpayers	Taxpayers	Amount	Actual Credit
Manufacturing	349	55.3%	\$38,155,851	69.4%
Services	190	30.1%	\$10,515,155	19.1%
Misc. <sup>7</sup>	92	14.6%	\$6,328,995	11.5%
TOTAL	631	100%	\$55,000,000	100%

 Table 5. Pennsylvania Research and Development Tax Credit Program

 Actual Credits by Business Type in 2013

Manufacturers represented 55 percent of the taxpayers receiving the tax credit in 2013, claiming 70 percent of the total amount of approved credit. Pharmaceutical manufacturers claimed the largest single share for manufacturers and the whole group of R&D tax credit recipients; the 17 pharmaceutical manufacturers requesting credit were awarded \$20.3 million in credit. In the Services sector, the largest group of credit recipients was designers of computer system services, with 50 recipients receiving \$1.8 million in credit. In the Misc. sector, there was not one particular type of business among tax credit recipients that was more prevalent.

Table 6 provides a breakdown of the R&D tax credit claimed by "small" and "not small" businesses in December 2013. As noted earlier, "small" businesses are those with net book assets of less than \$5 million.

Sinan and Not Sinan Dusinesses in 2015							
					Percent of		
	Number of	Percent of	Tentative	Actual	Actual		
<b>Business Size</b>	Applicants	Applicants	Credit Amount	Credit Amount	Credit		
Small	276	43.7%	\$9,405,048	\$9,405,048	17.1%		
Not Small	355	56.3%	\$85,063,262	\$45,594,952	82.9%		
TOTAL	631	100%	\$94,468,310	\$55,000,000	100%		

Table 6. Pennsylvania Research and Development Tax Credit ProgramSmall and Not Small Businesses in 2013

In December 2013, "small" businesses claimed \$9.4 million of the \$11.0 million in R&D tax credit set aside for them, i.e., "small" businesses received 100 percent of the credit for which they applied. This was the most amount of tax credit ever claimed by "small" businesses in one year in the history of the R&D tax credit program. Last year, "small" businesses received the entire \$7.1 million in R&D tax credit for which they applied. The \$55 million program cap reduced the amount of credit approved for the "not small" businesses to 54 percent of the requested amount in December of 2013. Last year, "not small" businesses received 48 percent of the amount of credit they requested in December 2012.

Table 7 shows the history of the R&D tax credit for the "small" business set aside awarded by the Department for each year through December 2013.

<sup>&</sup>lt;sup>7</sup> Misc. business type includes business activities associated with individuals or corporations with North American Industry Classification System (NAICS) codes for the agriculture, construction, mining, wholesale trade, retail trade, and financial sectors.

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Credit Awarded In	Number of Applicants	Tentative Credit Amount	Actual Credit Amount
Dec 1997	67	\$889,054	\$889,054
Dec 1998	85	\$1,821,354	\$1,821,354
Dec 1999	82	\$3,001,986	\$3,000,000
Dec 2000	83	\$1,545,359	\$1,545,359
Dec 2001	75	\$1,373,382	\$1,373,382
Dec 2002	79	\$1,615,602	\$1,615,602
Dec 2003	81	\$1,082,263	\$1,082,263
Dec 2004	94	\$1,419,845	\$1,419,845
Dec 2005	108	\$2,268,046	\$2,268,046
Dec 2006	173	\$7,081,079	\$7,081,079
Dec 2007	193	\$6,845,879	\$6,845,879
Dec 2008	205	\$8,052,975	\$8,000,000
Dec 2009	211	\$8,688,383	\$4,000,000
Dec 2010	213	\$8,487,767	\$3,600,000
Dec 2011	217	\$7,632,711	\$7,632,711
Dec 2012	242	\$7,085,229	\$7,085,229
Dec 2013	276	\$9,405,048	\$9,405,048

Table 7. Pennsylvania Research and Development Tax Credit ProgramSmall Business Set Aside By Year, 1997-2013

"Small businesses" have been awarded \$68.7 million of the \$78.3 million in R&D tax credits that they have applied for since the inception of the R&D tax credit program; they have received 88 percent of the total amount of tax credits for which they applied. A total of \$97.6 million in tax credit was set aside for them over this period.

Four times in the history of the R&D tax credit program the "small" business set aside has been awarded in total: 1999, 2008, 2009 and 2010. Most years, the "small businesses" have received the total amount of tax credit for which they applied. When "small" businesses claim less than the R&D credit set aside for them, the "not small" businesses receive a pro-rated amount of the excess R&D tax credit not claimed by the "small" businesses.

Table 8 shows the amount of R&D tax credit that has been applied against the CNIT, CSFT and PIT for taxable years 1997 through 2011. The data in Table 8 are for taxpayers that have directly received the tax credit from the Department, as well as those taxpayers that have purchased unused R&D tax credits.

The first taxable year against which the credit could be used was 1997. For PIT, individuals who received the credit directly are included, as are any individual owners of S corporations or limited liability companies (LLCs) who received the pass-through benefit. All credit amounts are as of February 2014.

Table 8 shows the distribution of the R&D tax credits that have been applied to specific tax years. As of February 2014, 87.3 percent of the \$378 million in R&D tax credit that has been awarded for 1997 through 2011 has been applied to specific tax periods. 45.5 percent of the credit awarded has been applied against the CSFT; 49.7 percent has been applied against the CNIT; 4.8 percent has been applied against the PIT. It is important to note that the amount of tax credit applied to a particular taxable year can vary over time as a taxpayer's taxable year liability may change due to settlement, resettlement or the application of other credits.

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Taxable Year	Corporate Net Income Tax	Number of Taxpayers	Capital Stock & Franchise Tax	Number of Taxpayers	Personal Income Tax	Number of Taxpayers
1997	\$4,808,403	93	\$3,654,425	192	\$187,863	91
1998	\$2,669,951	84	\$5,262,915	199	\$791,636	195
1999	\$3,129,320	91	\$6,317,818	233	\$439,671	162
2000	\$4,495,931	77	\$6,465,943	213	\$523,087	201
2001	\$6,364,344	82	\$7,141,332	217	\$534,126	173
2002	\$7,925,753	49	\$5,313,965	220	\$487,586	169
2003	\$8,733,454	62	\$8,086,269	217	\$337,985	154
2004	\$14,874,207	67	\$8,387,866	263	\$713,456	169
2005	\$12,630,586	66	\$13,164,168	291	\$1,389,912	179
2006	\$16,241,888	96	\$15,884,694	328	\$2,679,623	235
2007	\$15,221,106	104	\$12,720,361	356	\$1,799,924	236
2008	\$18,151,421	103	\$11,792,443	407	\$1,327,515	306
2009	\$8,414,374	91	\$12,364,902	480	\$1,460,930	211
2010	\$20,594,531	110	\$12,878,861	505	\$1,334,225	187
2011	\$19,812,175	109	\$20,511,508	537	\$1,819,457	240
TOTAL	\$164,067,442		\$149,947,468		\$15,826,996	

Table 8. Pennsylvania Research and Development Tax Credit Program
Application by Tax Type and Taxable Year, 1997-2011

It should be noted that it is possible that some portion of the R&D tax credit awarded by the Department might never be used against a tax year liability, particularly those credits not affected by the provisions of Act 46 of 2003. R&D tax credits awarded in December 1997, the first credits awarded under the program, will expire and cannot be used beyond tax year 2012. As of February 2014, of the \$15.0 million awarded to 292 taxpayers in December 1997, approximately \$276,000 has not yet been used. This amounts to 1.8 percent of the total amount of R&D tax credits awarded. Since tax returns for tax year 2013 have not all been submitted and processed, it is still possible that this amount of tax credit could be used, or that the amount could be used against tax years 1997 through 2012 if certain tax liabilities for those taxpayers were to change.

One possible reason for non-use of the tax credit is a reorganization in which a taxpayer claiming the credit goes out of existence or merges with another business before applying the credit against a tax liability. Another observation about usage of the tax credit is that, for taxable years prior to 2005, the amount of credit a taxpayer could claim against a tax type in one tax year was limited to 50 percent of the tax liability. This provision had ensured that a taxpayer could not totally eliminate a tax liability using only the R&D tax credit. However, Act 46 of 2003 eliminated the 50 percent limit. This fact, combined with the 15-year carryover, should allow taxpayers to receive most, if not all, of the tax benefit of the credit. Further, the provision in Act

46 of 2003 allowing the sale or assignment of any unused R&D tax credit awarded in December 2003 and after should minimize how much R&D tax credit is not utilized.

Current law reduces the CSFT rate each year until the tax is completely eliminated for taxable years beginning on or after January 1, 2016. Once the CSFT is eliminated, the R&D tax credit can no longer be claimed against it for tax year 2016 and forward. This is important for S corporations and LLCs that are primarily subject to the CSFT, not the CNIT. S corporations and LLCs may pass the tax credit through to shareholders who can claim it against their PIT. Therefore, S corporations and LLCs, in order to use the R&D tax credit after 2016, will have to either apply it against PIT or sell their unused tax credits. They will be able to carry it forward for up to 15 taxable years.

## Taxes Paid by R&D Tax Credit Recipients

Table 9 shows the CNIT and CSFT liabilities for taxable year 2011 (the latest year for which reports are available for all taxpayers) for taxpayers receiving the R&D tax credit in 2013. Table 9 and Table 5 have a similar structure in order to provide comparability. Please note that taxpayers claiming the credit against the personal income tax are not included in these data. Also, taxpayers who purchased unused R&D tax credit are not included in these data.

Business Type	2011 CSFT Liability	2011 CNIT Liability
Manufacturing	\$11,817,576	\$36,475,328
Services	\$ 6,768,370	\$7,064,436
Misc.	\$ 3,931,543	\$8,288,933
TOTAL	\$22,517,489	\$51,828,697

Table 9.	Pennsylvania Research and Development Tax Credit Program
	Taxable Year 2011 Tax Liabilities by Business Type

In order to provide an idea of the relative value of the R&D tax credit to recipients, an analysis was conducted comparing the R&D tax credit awarded in 2013 to the total tax year 2011 self-assessed CNIT and CSFT liabilities<sup>8</sup>. Of the 631 taxpayers receiving the R&D tax credit in 2012 that are subject to the CNIT or CSFT, their total self-assessed 2011 tax year CNIT and CSFT liabilities totaled \$74.3 million. Though there are obviously varied ratios per individual taxpayer, the \$55 million in tax credit awarded in 2013 represented 74 percent of the total self-assessed tax amount for tax year 2011, while the \$94.5 million in tax credit requested represented 127.1 percent of the total self-assessed tax amount for tax year 2011.

The total 2011 CSFT liability for S corporations and LLCs receiving the R&D tax credit in 2013 was \$2.8 million. Out of the 189 Pennsylvania S corporations or LLCs, 64 had a CSFT liability of zero for 2011. The total 2011 CSFT liability for C corporations receiving the R&D tax credit in 2013 was \$19.7 million. Out of the 431 C corporations, 158 had a CSFT liability of zero for 2011.

The 431 C corporations receiving the tax credit in 2013 and subject to the CNIT had a total taxable year 2011 CNIT liability of \$51.8 million. Of these companies, 324 were C corporations with a taxable year 2011 CNIT liability equal to zero, due to negative net income in taxable year 2011. In most cases, the income of Pennsylvania S corporations and LLCs is passed through to the individual owners and subject to the personal income tax.

<sup>&</sup>lt;sup>8</sup> In some cases, the tax liability may have been self-assessed and settled.

## Federal R&D Tax Credit Program

The federal government first adopted the R&D tax credit in 1981. The federal government does not cap the total credit amount that can be claimed in a taxable year. Despite the effort of some members of Congress, the R&D tax credit has never been a permanent part of the Internal Revenue Code (IRC). It has been extended fifteen times (most recently in January 2013). The current federal law expired on December 31, 2013.

As long as the federal R&D tax credit is not repealed and removed from the IRC, the definition and terms remain in effect for state level calculations. However, when the federal R&D tax credit is lapsed, it is possible that the Commonwealth could lose applicants that, since they would not be able to file the federal forms, would not go through the trouble of filing the state forms. This would be especially true for companies that qualify for relatively small amounts of state R&D tax credits or for companies that face sizable fees from tax preparers for filing the state R&D tax forms.

The public policy goal of the R&D tax credit is to encourage the private sector to increase R&D spending, which in turn serves as a catalyst to economic growth by increasing productivity through the utilization of new technology. The credit is justified in economic theory on the basis of market failure, which occurs because firms may under-invest in R&D when they tend to not recoup all associated costs of investing in R&D. Hence, less R&D occurs than would be economically optimal for the economy as a whole. The R&D tax credit is a method for lowering the cost of R&D to private firms and increasing the return on investment. By increasing the rate of return on investment, the R&D tax credit encourages more R&D than would occur if the credit did not exist.

## **R&D** Expenditures in Pennsylvania and the United States

In 1995, according to the National Science Foundation (NSF), private industry in Pennsylvania spent \$5,331 million of its own funds on R&D expenditures. This was 4.0 percent of the total R&D expenditures by private industry in 1995 in the United States (\$132,103 million).

By 2011<sup>9</sup>, the total amount of R&D expenditures in Pennsylvania by private industry had risen to \$9,018 million. This was an increase over the 16 year period of 69.2 percent. Over the same period, total R&D expenditures by private industry in the United States had risen by 80.7 percent to a level of \$238,768 million. For 2011, R&D expenditures in Pennsylvania by private industry were 3.8 percent of total R&D expenditures by private industry in the United States. Pennsylvania ranked 10<sup>th</sup> in the entire US in R&D spending by private industry in 2011.

The Pennsylvania R&D expenditures reported on the 2012 tax credit applications for businesses receiving the R&D tax credit, which were based on research expenditures in 2011, represented 46 percent of the total R&D performed in Pennsylvania by private industry as estimated by the NSF.

For comparison, the 631 R&D tax credit applicants in 2013 had total Pennsylvania R&D expenditures in 2012 of \$3,434.9 million. Not all R&D done by industry in Pennsylvania is performed by R&D tax credit applicants.

The most recent economic recession did have a negative impact on R&D spending by industry, particularly in Pennsylvania. According to NSF data, R&D spending by private industry in Pennsylvania was \$10,113 million in 2007. However, due in large part to the recession, R&D spending by industry in Pennsylvania in 2008 fell by 13.2 percent to \$8,783 million. National level of R&D spending by private industry fell by 4.2 percent in 2008.

According to a November 2009 study released by the Government Accountability Office (GAO), large corporations in 2005 dominated the use of the federal R&D tax credit, similarly mirroring usage of the R&D tax credit here in Pennsylvania. Further, the GAO found that the federal R&D tax credit in 2005 provided an

<sup>&</sup>lt;sup>9</sup>The most recent year for which estimated state-level R&D spending is available from the National Science Foundation is 2011.

average marginal incentive of between 6.4 to 7.3 percent. In other words, the federal R&D tax credit stimulated an additional amount of research spending in the United States of between 6.4 percent to 7.3 percent at the business level.<sup>10</sup>

A study released in September 2011<sup>11</sup> by the R&D Credit Coalition, an organization of trade associations and companies dedicated to the permanent establishment of the federal R&D tax credit, examined the economic impact of the existing R&D tax credit and the potential impact of strengthening certain provisions of the R&D tax credit. The study found that the existing federal R&D tax credit "is estimated to have increased annual private research spending by \$10 billion in the short-term and by \$22 billion in the long-term." It was noted that these annual figures compare very favorably with the \$6 to \$8 billion annual federal revenue loss attributed to the credit.

## **R&D** Tax Credit Programs in Other States

A majority of states that have a corporate net income tax have sought to capture the potential benefits of encouraging R&D within their state by enacting an R&D tax credit. There are 40 other states besides Pennsylvania that provide for R&D tax credits. Most incorporate provisions of current or former R&D credits under the Internal Revenue Code.<sup>12</sup>

New Jersey's R&D tax credit is like Pennsylvania's in that it mirrors the federal R&D tax credit. However, New Jersey's R&D tax credit statute does not cap the total amount of credit that can be awarded in a year. Like the Pennsylvania R&D tax credit prior to Act 46 of 2003, there is a 50 percent cap on the amount of credit that a taxpayer can apply against its tax year liability. In fiscal year 2013, \$65.6 million in R&D tax credit was claimed in New Jersey. Additionally, the New Jersey R&D tax credit statute allows certain biotech and emerging technology companies to sell unused R&D tax credits to any company paying the corporate net income tax.<sup>13</sup> After Act 46 of 2003, all companies receiving the Pennsylvania R&D tax credit, regardless of their business sector, can sell or assign any unused R&D tax credits awarded beginning in December 2003.

## Effectiveness of the Pennsylvania R&D Tax Credit Program

The time frame for R&D projects in the private sector can be lengthy. It is not uncommon for businesses to have R&D projects extend for 10 to 15 years or more. The Pennsylvania R&D tax credit has thus far had a potential impact on increasing research expenses in sixteen years, 1997 through 2012. Although 1996 Pennsylvania research expenses were used to calculate the credit in 1997, the taxpayer's R&D decisions could not have been affected by the credit prior to enactment of Act 7 in May 1997. Also, the changes made by Act 46 of 2003 altered several parameters of the program that could impact the effectiveness of the R&D tax credit. However, some observations can be made about the effectiveness of the Pennsylvania R&D tax credit in its relatively short existence.

As was noted above, the most recent economic recession did have an impact on R&D spending in Pennsylvania by private industry. Overall, R&D spending in Pennsylvania by industry fell by 13.2 percent in 2008 but recovered modestly in 2009 to grow by 1.9 percent according to NSF data.

Over the lifetime of the R&D tax credit program, 2,085 different taxpayers have been awarded some amount of the total \$488 million in tax credit awarded between 1997 and 2013. The number of taxpayers qualifying for the tax credit due to increased Pennsylvania research expenditures is still expanding, though there is some volatility from year to year regarding Pennsylvania research expenditure amounts.

<sup>&</sup>lt;sup>10</sup> "The Research Tax Credit's Design and Administration Can Be Improved", Prepared by the Government Accountability Office (GAO), GAO-10-136, November 2009.

<sup>&</sup>lt;sup>11</sup> "The R&D Credit: An Effective Policy for Promoting Research Spending," Prepared by Ernst and Young LLP for the R&D Credit Coalition, September 2011.

<sup>&</sup>lt;sup>12</sup> CCH Incorporated, Multistate Charts, ¶680-200 Credits for Investment/Research Activities.

<sup>&</sup>lt;sup>13</sup> Companies with 225 employees or less may sell unused R&D tax credits in New Jersey.

Of the 631 taxpayers receiving the R&D tax credit in 2013, 200 were either Pennsylvania S corporations, LLCs, LLPs (limited liability partnerships) or individuals and 431 were C corporations. The S corporations, LLCs, LLPs or individuals received \$13.0 million in R&D tax credit, while the C corporations received \$42.0 million.

The 631 taxpayers claiming the R&D tax credit in 2013 had total Pennsylvania research expenditures in taxable year 2012 of \$3,434.9 million. This was an 18.5 percent increase compared to their total Pennsylvania research expenditures in taxable year 2011 of \$2,897.6 million.

#### Impact on Not Small Businesses

Out of the 631 taxpayers receiving the tax credit in 2013, 355 did not qualify as "small" businesses. Their total Pennsylvania research expenditures in taxable year 2012 were \$3,294.3 million, an 18.1 percent increase over their taxable year 2011 Pennsylvania research expenditures of \$2,790.3 million. They received \$45.6 million in R&D tax credit in December 2013.

Of the 355 "not small" businesses, 298 increased their Pennsylvania research expenditures in taxable year 2012 over taxable year 2011 by 36.5 percent in the aggregate. Their Pennsylvania research expenditures in taxable year 2012 rose to \$2,173.2 million from \$1,591.8 million in taxable year 2011. Only 57 of these businesses reduced their Pennsylvania research expenditures over the same period. Their Pennsylvania research expenditures in taxable year 2012 declined by 6.5 percent to \$1,121.1 million from \$1,198.5 million in taxable year 2011.

#### Impact on Small Businesses

Out of the 631 taxpayers receiving the tax credit in 2013, 276 were "small" businesses. Their total Pennsylvania research expenditures in taxable year 2012 were \$140.6 million, a 31 percent increase over their taxable year 2011 Pennsylvania research expenditures of \$107.3 million.

The 276 "small" businesses received \$9.4 million in R&D tax credit of the \$11.0 million set aside for them in 2012.

Of the 276 "small" businesses, 230 increased their Pennsylvania research expenditures in taxable year 2012 over taxable year 2011 by 41.2 percent in the aggregate. Their Pennsylvania research expenditures in taxable year 2012 rose to \$123.4 million from \$87.4 million in taxable year 2011. Only 46 "small" businesses reduced their Pennsylvania research expenditures over the same period. Their Pennsylvania research expenditures in taxable year 2012 declined by 13.8 percent to \$17.1 million from \$19.9 million in taxable year 2011.

### **Impact on First Time Claimants and New Companies**

In 2013, 181 taxpayers were awarded the tax credit for the first time, claiming \$8.8 million in credit. Their Pennsylvania research expenditures totaled \$1,030.7 million for taxable year 2012. Conversely, 221 taxpayers that claimed the tax credit in 2012 did not receive any credit in 2013. These 221 taxpayers had Pennsylvania research expenditures in taxable year 2011 of \$1,899.4 million and claimed \$22.2 million in tax credit in 2012.

Of all the taxpayers claiming the R&D tax credit in 2013, 291 were companies incorporated in Pennsylvania after the passage of Act 7 of 1997. It is possible that not all of these newly incorporated companies are start-ups, but may be newly formed subsidiaries of a parent corporation. These companies claimed \$30.0 million in tax credit in 2013 and had total Pennsylvania research expenditures in taxable year 2012 of \$1,906.6 million, a 16.8 percent increase from their Pennsylvania research expenditures in taxable year 2011 of \$1,631.7 million.

The 291 recently incorporated companies had a total taxable year 2011 CSFT liability of \$6.4 million; 144 taxpayers had zero tax liability. The 291 new companies had a total taxable year 2011 CNIT liability of \$10.8 million; 252 taxpayers had zero tax liability.

#### **Impact on Established Companies**

In order to provide more insight into the companies that regularly claim the R&D tax credit, this report will examine 132 taxpayers for which the Department has tracked Pennsylvania research expenditures for the last ten taxable years, from 2003 through 2012. This group of credit recipients has received \$64.0 million in total tax credit from 1997 through 2013, or 13.1 percent of the total \$488 million awarded over seventeen years. These 132 companies represent 45.2 percent of the number of companies that received the R&D tax credit in its first year, 1997. As a group, these taxpayers are a representative cross-section of the type of companies that have come to consistently claim the R&D tax credit.

For these 132 taxpayers, their 2012 Pennsylvania R&D expenditures totaled \$970.8 million. This is an aggregate growth rate of 149 percent over their 2003 Pennsylvania R&D expenditures of \$389.9 million; between 2003 and 2012, the Pennsylvania R&D expenditures for these 132 taxpayers grew at a compound annual growth rate of 10.7 percent.

These 132 taxpayers were awarded about \$14.7 million in R&D tax credit in 2013, 26.7 percent of the total amount of R&D tax credit awarded in December 2013. This credit amount was 1.5 percent of their total amount of Pennsylvania research expenditures in taxable year 2012. Overall, it is important to note that the R&D tax credit awarded remains relatively small when compared to the amount of money spent by the taxpayers to conduct their research activities in the Commonwealth.

The 132 established taxpayers had a total CSFT liability for taxable year 2011 of \$6.4 million and a total CNIT liability for taxable year 2011 of \$26.7 million.

Chart 1 graphically shows the Pennsylvania R&D expenditures for the 132 established taxpayers for the last ten taxable years, 2003 through 2012.

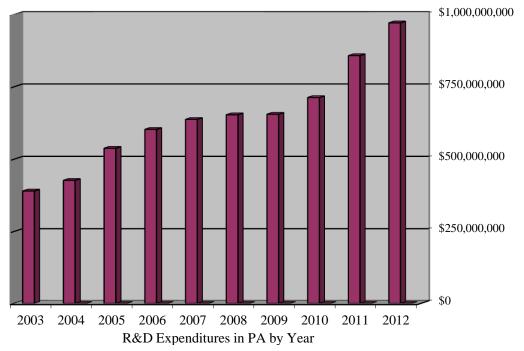


Chart 1. Pennsylvania R&D Expenditures by Year for 132 Established Companies With PA Expenditure Data For 2003 through 2012

This chart graphically demonstrates the effect of the most recent economic recession on R&D expenditures in Pennsylvania for the 132 taxpayers included in the data. The R&D expenditures in Pennsylvania for these 132 taxpayers grew by 5.7 percent in 2007, prior to the recession. However, due in part to the recession, the growth in their Pennsylvania R&D expenditures in 2008 slowed to 2.5%, when compared to 2007, and was almost flat in 2009, growing by only 0.3% over 2008. Their Pennsylvania R&D expenditures resumed strong growth in 2010 and 2011, expanding by 8.8 percent and 20.3 percent respectively.

#### Small versus Not "Small"

Of the 132 taxpayers, 82 did not qualify as "small" businesses. They received about \$55.6 million in tax credit over the seventeen years of the program. Their 2012 Pennsylvania R&D expenditures totaled \$930.3 million. This is an aggregate growth rate of 143.1 percent over their 2003 Pennsylvania R&D expenditures of \$382.7 million; between 2003 and 2012, the Pennsylvania R&D expenditures for these 82 taxpayers grew at a compound annual growth rate of 10.4 percent.

Of the 132 taxpayers, there were 50 "small" businesses that received about \$8.4 million in tax credit over the seventeen years of the program. Their 2012 Pennsylvania R&D expenditures totaled \$40.6 million. This is an aggregate growth rate of 462 percent over their 2003 Pennsylvania R&D expenditures of \$7.2 million; between 2003 and 2012, the Pennsylvania R&D expenditures for these 50 taxpayers grew at a compound annual growth rate of 21.1 percent.

#### By Industry Type

Of the 132 taxpayers, 88 were classified as manufacturers. They received \$52.3 million in tax credit over the seventeen years of the program. Their 2012 Pennsylvania R&D expenditures totaled \$816.9 million. This is an aggregate growth rate of 130 percent over their 2003 Pennsylvania R&D expenditures of \$354.8 million; between 2003 and 2012, the Pennsylvania R&D expenditures for these 88 taxpayers grew at a compound annual growth rate of 9.7 percent.

Of the 132 taxpayers, there were 44 non-manufacturing businesses that received \$11.7 million in tax credit over the seventeen years of the program. Their 2012 Pennsylvania R&D expenditures totaled \$153.9 million. This is an aggregate growth rate of 338 percent over their 2003 Pennsylvania R&D expenditures of \$35.1 million; between 2003 and 2012, the Pennsylvania R&D expenditures for these 44 taxpayers grew at a compound annual growth rate of 17.8 percent.

### Conclusions on the Impact of the R&D Tax Credit in Pennsylvania

When all 631 taxpayers receiving the R&D tax credit in 2013 were examined, "small" businesses increased their Pennsylvania research expenditures in taxable year 2012 more than "not small" businesses. However, the Pennsylvania research expenditures for "small" businesses were only 3.1 percent of the total Pennsylvania research expenditures in taxable year 2012. The overwhelming majority of Pennsylvania research expenditures not classified as "small" businesses.

Of the 132 taxpayers examined for whom the Department has tracked Pennsylvania research expenditures for the last ten taxable years, for 2003 through 2012, manufacturers were the primary beneficiaries. Across all of the business types, the R&D tax credit remains a small percentage of Pennsylvania research expenditures. Hence, many other factors are likely to affect a company's R&D spending decisions.

#### **Report Conclusion**

The R&D tax credit has existed in Pennsylvania for seventeen years. Literature evaluating the effectiveness of the federal R&D tax credit and state R&D tax credits has shown mixed results regarding the effectiveness of the programs. Many factors other than the R&D tax credit influence a company's R&D investment decisions. This report's other observations can be summarized as:

- In December 2013, 631 companies were awarded credits, receiving the capped amount of \$55 million, or 58.2 percent of the amount requested.
- In the absence of a cap, \$94.5 million in tax credits would have been awarded.
- In tax year 2012, the 631 companies awarded the R&D tax credit in 2013 had total Pennsylvania research expenditures of \$3,434.9 million, an 18.5 percent increase over their tax year 2011 Pennsylvania research expenditures.
- Manufacturing firms, particularly pharmaceutical manufacturers, continue to be the primary beneficiaries of the R&D tax credit.
- "Small" businesses claimed \$9.4 million of the \$11.0 million in R&D tax credit set aside for them in 2013.
- As of February 2014, a total of \$65.0 million in unused R&D tax credits have been sold or assigned from tax credits awarded from December 2003 through December 2012; \$60.9 million was paid for the unused credit, or 93.7 percent of the value of the unused credits.
- The R&D tax credit program has awarded a total of \$488 million in tax credit to 2,085 different taxpayers over the life of the program thus far. Without the caps on annual awards, a total of \$1,358.9 million in requested R&D tax credit would have been awarded. The effect of the annual cap on awards reduced the amount of R&D tax credits awarded to 36 percent of the requested amount.

## **APPENDIX A**

#### 

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
Teva Branded Pharmaceutical Products				
R&D, Inc.	\$5,485,485	\$0	\$1,470,814	\$1,470,814
Eli Lilly and Company	\$5,019,493	\$0	\$5,667,341	\$3,066,983
Janssen Research & Development, LLC (	<i></i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<b>*</b> *	<i><b>t</b></i> <b>ttttttttttttt</b>	<i><b>+</b></i> <b>0</b> ,000,000
f/k/a J&J Pharmaceutical Research &				
Development LLC)	\$3,468,471	\$0	\$7,656,287	\$704,927
GlaxoSmithKline, LLC ( f/k/a SmithKline	+-,,	• -	· /···/ ·	· · /-
Beecham Corporation)	\$2,357,066	\$0	\$5,199,276	\$951,581
LSI Corporation	\$1,596,429	\$0	\$3,377,154	
General Electric Company	\$1,568,021	\$0	\$0	\$0
Google, Inc.	\$1,426,583	\$0	\$409,206	
CNH America, LLC	\$1,229,209	\$0	\$770,484	
N.A. Water Systems, LLC	\$1,146,495	\$0	\$223,755	
Alcoa, Inc.	\$1,074,938	\$0		
Endo Pharmaceuticals, Inc.	\$973,073	\$0		
Sanofi Pasteur, Inc.	\$656,436	\$0	\$440,094	\$440,094
eBay, Inc.	\$622,707	\$0	\$0	\$0
Susquehanna International Group, LLP	\$557,464	\$0	\$0	\$0
PPG Industries, Inc.	\$544,914	\$0	\$238,340	\$238,340
Cyoptics, Inc.	\$471,531	\$0	\$3,784	
Auxilium Pharmacueticals, Inc.	\$465,755	\$0	\$0	\$0
KPGW Holding Company, LLC	\$463,119	\$0	\$67,367	\$0
Process Combustion Corporation	\$417,830	\$0	\$67,505	
Seneca Resources Corporation	\$413,193	\$0	\$786,694	
Forest Research Institute, Inc.	\$369,915	\$0	\$1,480,567	\$61,366
Intel Americas, Inc.	\$365,107	\$0	\$162,221	
Caterpillar, Inc.	\$359,527	\$0	\$281,997	\$281,997
The Hershey Company	\$353,204	\$0	\$262,587	
United States Steel Corporation	\$352,288	\$0	\$427,447	
CSL Behring, LLC	\$345,642	\$0	\$413,174	
Omnyx, LLC	\$326,702	\$0 \$0	\$413,174	\$70,203
Immunex Corporation		\$0 \$0	\$734,825	-
Globus Medical, Inc.	\$319,819 \$309,819	\$0 \$0		
Blue Belt Technologies, Inc.	\$275,605	\$0 \$0	\$85,490	
Cisco Systems, Inc.	\$272,593			
Discovery Laboratories, Inc.	\$272,333			
Joy Technologies, Inc.	\$272,199	\$0 \$0		\$0 \$0
Texas Instruments Incorporated	\$269,293	\$0 \$0		\$0 \$105,046
Respironics, Inc.	\$265,872	\$0 \$0		
Shire US Holdings, Inc.	\$255,775	\$0 \$0		
Cognition Therapeutics, Inc.		\$0 \$0		
	\$255,549 \$252,345	\$0 \$0		
Hydro-Pac, Inc.	\$253,345	\$0 \$0		
Tyco Electronics Corporation Kennametal, Inc.	\$231,499	\$0 \$0		
	\$223,855	<b>۵</b> ۵	\$173,707	\$0
NextGen Healthcare Information	<b>*</b> ~~~~~		<b>*</b> ~~~~~~~~	<b>*</b> ~~~~~~~
Systems, Inc.	\$223,611	\$0		
CE Citycom Securid Corporation	\$222,282 \$208,944	\$0 \$0		
Seegrid Corporation AMETEK, Inc.	\$208,944 \$199,985	\$0 \$0		
AWLIER, IIIC.	\$I33,300	<b>۵</b> 0	φ1 <b>3</b> 9,204	φ139,204

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
International Business Machines				
Corporation	\$199,462	\$0	\$0	\$0
Lord Corporation	\$198,134	\$0	\$192,767	\$39,057
ANSYS, Inc.	\$191,177	\$0	\$5,531	\$5,531
Ansaldo STS USA International, Co.	\$190,405	\$0	\$0	\$0
Trevena, Inc. (f/k/a Parallax, Inc.)	\$190,153	\$0	\$329,406	\$314,406
PMC-Sierra US, Inc.	\$188,585	\$0	\$141,429	\$55,223
Johnson Matthey, Inc.	\$185,687	\$0	\$155,257	\$155,257
Grove US, LLC	\$181,761	\$0	\$379,993	\$41,373
West Pharmaceutical Services, Inc. (PA)	\$177,811	\$0	\$67,859	\$23,691
Victaulic Company	\$172,488	\$0	\$331,206	\$331,206
Schramm, Inc.	\$167,359	\$0	\$0	\$0
Auto Soft, Inc.	\$161,793	\$0	\$138,882	\$0
Accu Measurement Testing, Inc.	\$161,478	\$0	\$219,241	\$219,241
Bentley Systems Incorporated	\$157,689	\$0	\$182,541	\$0
Universal Stainless and Alloy Products,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,	,,	<i></i>
Inc.	\$156,734	\$0	\$106,733	\$6,751
Connecticut General Life Insurance Co.	\$155,914	\$0	\$0	\$0
Advanced Research Systems, Inc.	\$150,683	\$0 \$0	\$55,097	\$0 \$55,097
Novo Nordisk, Inc.	\$147,484	\$0	\$254,354	\$254,354
Aprecia Pharmaceuticals Company, Inc.	\$141,091	\$0	\$72,187	<del>پ254,554</del> \$0
ABB, Inc.	\$137,054	\$0	\$0	\$0 \$0
Listrak, Inc. (f/k/a Remark Internet, Inc.)	\$136,621	\$0 \$0	\$0 \$0	\$0 \$0
	\$130,021	φU	φU	φU
Caterpillar Global Mining America, LLC	\$404 0F4	¢0		<b>*</b> •
(f/k/a Bucyrus America, Inc.)	\$134,351	\$0	\$55,735	\$0
GAI-Tronics Corporation	\$129,845	\$0	\$17,466	\$17,466
Dun and Bradstreet, Inc.	\$126,185	\$0	\$0	\$0
II-VI Incorporated	\$125,832	\$0 \$0	\$135,842	\$0 \$05 274
Chant Engineering Co., Inc.	\$125,362		\$141,749	\$95,271
Union Carbide Corporation	\$123,157	\$0	\$109,206	\$27,839
RB Distribution, Inc.	\$122,193 \$121,255	\$0 \$0	\$127,509	\$127,509
Ecotech Marine, LLC GES Automation Technology, Inc.	\$121,255 \$120,640	\$0 \$0	\$97,114 \$66,418	\$97,114
	\$120,640	\$0 \$0	\$133,536	\$42,720 \$2,365
Ceptaris Therapeutics, Inc. Minitab, Inc.	\$117,630	\$0 \$0	\$133,536	\$2,365 \$150,439
	\$117,42 <b>3</b>	φU	\$20U,///	\$150,4 <b>3</b> 9
Think Through Learning, Inc. (f/k/a	<b>A</b> ( ) <b>A</b> ( <b>A</b>	**	<b>*</b> ***	
Apangea Learning, Inc.)	\$117,347	\$0	\$86,668	\$0
Duolingo, Inc.	\$117,304	\$0	\$0	
Tarsa Therapeutics, Inc.	\$113,690	\$0	\$141,919	
Avere Systems, Inc.	\$113,022		\$130,422	\$100
EFCO, Inc.	\$112,574		\$0	\$0
Progenra, Inc.	\$110,074		\$67,340	\$67,340
The Valspar Corporation	\$109,673	\$0	\$233,812	\$0
LD Astorino & Associates, Ltd.	\$108,129		\$0	\$0
Aquion Energy, Inc.	\$107,564	\$0	\$0 \$77 744	\$0
BioSpectra, Inc.	\$107,029	\$0	\$77,711	\$75,711
Puritan Products, Inc.	\$105,090 \$105,011		\$110,770 \$124,220	
Penn Manufacturing Industries, Inc.	\$105,011 \$104.087	\$0	\$124,320	\$66,257
NCC Automated Systems, Inc.	\$104,087 \$101,400	\$0	\$0	\$0 \$0
Actel Corporation AT&T Services, Inc.	\$101,409 \$00,085		\$0 \$00.065	\$0 \$0 640
	\$99,985 \$00,887		\$60,965 \$121,546	\$9,640 \$121,546
Synchronoss Technologies, Inc.	\$99,887	\$0	\$121,546	\$121,546
Electro-Science Laboratories, Inc.	\$99,772 \$07,102	\$0	\$145,275 \$100,276	\$145,275
eDigital Data Center, Inc.	\$97,103		\$109,376 \$202,784	
GE Betz, Inc.	\$95,949 \$05,268	\$0	\$302,784	\$22,914
VideoRay, LLC	\$95,268		\$58,884	\$1,322
Akustica, Inc.	\$95,260	\$0	\$35,257	\$0 \$78.246
MEI, Inc.	\$94,996		\$80,133	\$78,316
Bloom Engineering Company, Inc.	\$93,543	\$0	\$0	\$0

		2013 Credit	0010 8 0011	2012 & 2011
Taxpayor Nama	2013 Credit Awarded	Utilized <sup>1</sup>	2012 & 2011 Credit Awarded	Credit Utilized <sup>1</sup>
Taxpayer Name				
Synergy Advanced Pharmaceuticals, Inc. HindlePower, Inc.	\$91,651 \$86,124	\$0 \$0	\$0 \$1,997	\$0 \$1,963
CD Diagnostics, Inc.	\$85,233	\$0 \$0	۶۱,997 \$0	\$1,963
Siemens PLM Software II US, Inc.	\$84,767	\$0	\$0	\$0 \$0
FirstEnergy Corp.	\$84,048	\$0	\$0	\$0
Industrial Scientific Corporation	\$81,579	\$0	\$119,694	\$119,694
Caliber Therapeutics, Inc.	\$80,654	\$0	\$63,764	\$23,639
Pennoni Associates, Inc.	\$80,466	\$0	\$27,822	\$27,822
FMC Technologies Measurement				
Solutions	\$78,117	\$0	\$0	\$0
Wavefront Research, Inc.	\$77,525	\$0	\$77,724	
Verizon Business Network Services, Inc.	\$75,399	\$0	\$53,082	\$53,082
Lasko Products, Inc.	\$73,233	\$0	\$28,109	\$28,109
C&J Industries, Inc.	\$71,555	\$0	\$0	
K&H Technologies, Inc.	\$70,330	\$0	\$18,759	
Ad Base Group, Inc.	\$70,250	\$0	\$162,973	\$115,029
Raytheon Company ThingWorx, Inc.	\$67,472 \$66,660	\$0 \$0	\$0 \$61,541	\$0 \$844
Finisar Corporation	\$66,625	\$0 \$0	\$61,541	\$844 \$54,714
Momentum Dynamics Corporation, Inc.	\$66,526	\$0	\$190,037	\$54,714
EMS Charts, Inc.	\$66,181	\$0 \$0	\$0 \$136,912	\$0 \$136,912
Autodesk, Inc.	\$65,921	\$0	\$59,471	\$29,772
GlobalSubmit, Inc.	\$65,887	\$0	\$0	1 /
Coldlight Solutions, LLC	\$65,394	\$0	\$63,802	\$63,802
Aquatech International Corporation	\$64,060	\$0	\$126,159	
Tiversa Holding Corp. (f/k/a Tiversa, Inc.)	\$62,667	\$0	\$0	\$0
Aerotech, Inc.	\$62,041	\$0	\$36,654	\$36,654
The Dow Chemical Company	\$61,861	\$0	\$37,856	\$37,856
MPD Holdings, LLC	\$61,156	\$0	\$0	\$0
Document Solutions Group, Inc.	\$60,597	\$0	\$63,948	\$27,139
Wheelhouse Analytics, LLC (f/k/a Coates	450 750	<b>A</b> 0	A54 570	AE4 570
Solutions, LLC)	\$59,753	\$0	\$51,578	
Education Management Solutions, Inc.	\$59,444	\$0	\$0	
lagnosis, Inc. Tech Molded Plastics, Inc.	\$59,134 \$59,100	\$0 \$0	\$0 \$62,004	\$0 \$62,004
Carnegie Robotics, LLC	\$58,671	\$0	\$02,004 \$0	\$02,004
Rajant Corporation	\$58,064	\$0	\$0	\$0
Venture 3 Systems, LLC	\$57,402			
Braskem America, Inc.	\$56,836	\$0	\$0	
Dataforma Incorporated	\$56,623	\$0		\$57,655
Gravic, Inc.	\$55,317	\$0	\$0	\$0
Combined Conditional Access Developme	\$54,838	\$0	\$0	
North American Hoganas, Inc.	\$53,659	\$0		\$61,961
Compunetix, Inc.	\$53,438	\$0	\$0	\$0
Charles J. Arsenault, Inc.	\$53,310	\$0		
Oberg Industries, Inc.	\$52,968	\$0	\$3,918	
Optinose US, Inc.	\$52,864	\$0		
Bridge Semiconductor Corporation	\$52,788	\$0	\$271,166	
Renick Brothers Construction Company Woodward McCoach, Inc.	\$52,763 \$52,455	\$0 \$0		
Netronome Systems, Inc.	\$52,455 \$52,358	\$0 \$0	\$614,920 \$0	
Pikimal, LLC (d/b/a WebKite)	\$52,116	\$0 \$0		\$54,847
Knopp Biosciences, LLC	\$52,077	\$0 \$0	\$0	
DT Davis Enterprises, Ltd. Hovertech	<i><b>402</b>,011</i>	ΨŬ	Ψ0	<b>\$</b> 0
International	\$52,053	\$0	\$0	\$0
NESTEC, Inc.	\$51,660	\$0	\$0	\$0 \$0
Reynolds & Reynolds Electronics, Inc.	\$51,280	\$0		\$24,221
Frontline Technologies, Inc.	\$51,194	\$0		
Gemini Plastics, Inc.	\$50,917	\$0	. ,	

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	
Techniserv, Inc.	\$50,348	\$0	\$27,956	
Epiphany Solar Water Systems, LLC	\$50,243	\$0	\$0	\$0
National Medical Services, LLC	\$49,938	\$0	\$41,336	
Bitronics, LLC Carlisle Construction Materials	\$49,659	\$0	\$42,486	\$42,486
Incorporated	\$49,570	\$0	\$51,982	\$51,982
Applied Systems Associates, Inc.	\$49,495	\$0	\$10,007	\$10,007
Walking Thumbs, LLC	\$48,949	\$0	\$0	\$0
Control Concepts Corporation	\$48,561	\$0	\$122,329	
McKamish, Inc.	\$48,040	\$0	\$414	\$414
Urban Engineers, Inc.	\$48,040	\$0	\$0	\$0
Fleetwood Industries, Inc.	\$47,372	\$0	\$0	\$0
Dynalene, Inc.	\$47,328	\$0	\$34,805	\$34,805
Woodward, Inc.	\$47,215	\$0	\$0	\$0
Salimetrics, LLC	\$47,189	\$0	\$0	\$0
KCF Technologies, Inc.	\$47,088	\$0	\$428	\$428
Shaft Drillers International, LLP	\$46,370	\$0	\$0	\$0
Qortek, Inc.	\$46,051	\$0	\$135,249	\$9,830
Power Industrial Srv Corp. Donora	<b>A</b> 15 A 14	••	A	A A
Industrial Park	\$45,913	\$0 \$0	\$7,977	\$7,977
NTVI Fed, LLC VMWARE, Inc.	\$45,512 \$44,899	\$0 \$0	\$0 \$25,499	\$0 \$25,499
Amplifier Research Corp.	\$44,899	\$0 \$0	\$25,499 \$0	\$25,499 \$0
Maya Design, Inc.	\$44,815	\$0 \$0	\$100,701	\$427
RJMetrics, Inc.	\$44,298	\$0	\$0	\$0
Stoner, Inc.	\$44,170	\$0	\$6,516	\$779
Starlite Diversified, Inc.	\$43,443	\$0	\$0	\$0
Swank Construction Company, LLC	\$43,392	\$0	\$0	\$0
Cellco Partnership	\$43,228	\$0	\$85,157	\$0
Jenrin Discovery, LLC	\$43,188	\$0	\$0	\$0
Certes Networks, Inc. (f/k/a Cipheroptics,				
Inc.)	\$43,002	\$0	\$67,472	\$67,472
Global Technology Enterprise Corp.	\$42,826	\$0	\$13,373	\$13,373
Schell Games, LLC	\$41,850	\$0	\$0	\$0
Trinity Industries, Inc.	\$40,957	\$0	\$0	\$0
Innovative Sintered Metals, Inc.	\$40,842	\$0	\$81,948	
Itrco, LP Gelest, Inc.	\$40,378	\$0 \$0	\$32,462 \$107,222	\$32,462
Laminated Materials Corporation	\$40,367 \$39,609			
SAP America, Inc.	\$39,609	\$0 \$0		
InvestEdge, Inc.	\$39,363	\$0 \$0		
InfoMC, Inc.	\$39,104	\$0		\$1,533
Pennsy Corporation	\$39,048	\$0		
Certainteed Corporation	\$38,925	\$0	\$0	
FS-Elliott Co., LLC	\$38,806	\$0		
Astrobotic Technology, Inc.	\$38,600	\$0	\$27,386	\$27,386
Cohera Medical, Inc.	\$38,211	\$0	\$57,722	\$57,722
Tiger Optics, Inc.	\$37,330	\$0	\$132,964	\$35,513
Jordan Acquisition Group, LLC (dba				
American Auto Matrix)	\$36,981	\$0	\$35,406	\$35,406
Vitae Pharmaceuticals, Inc. (f/k/a				
Concurrent Pharmaceuticals, Inc.)	\$36,899	\$0		
Code Organa, LLC	\$36,527	\$0	\$0	\$0
Team Ten, LLC (American Eagle Paper				
Mills)	\$36,222	\$0	\$58,806	
FedEx Corporate Services, Inc.	\$35,946	\$0		\$20,417
Controlled Molding, Inc.	\$35,885	\$0		\$78,476
Gamry Instruments, Inc.	\$35,870	\$0		
Eriez Manufacturing Co.	\$35,833	\$0	\$5,708	\$5,708

		2013 Credit		2012 & 2011
	2013 Credit Awarded	Utilized <sup>1</sup>	2012 & 2011 Credit Awarded	Credit Utilized <sup>1</sup>
Taxpayer Name				
Hybrid Integration, LLC	\$35,299	\$0 \$0	\$0 \$72.256	\$0 \$18.070
PhaseBio Pharmaceuticals, Inc. Milnes Engineering, Inc.	\$34,743 \$34,406	\$0 \$0	\$73,256 \$96,151	\$18,972 \$96,151
Cummins-Allison Corp.	\$34,408	\$0 \$0	\$90,151	\$90,151 \$0
Sungard Data Systems, Inc.	\$33,687	\$0 \$0	\$0	\$0
Penn Engineering and Manufacturing	<i>\\</i> 00,001	<b>~</b> ~		
Corp.	\$33,527	\$0	\$24,357	\$3,889
Bra-Vor Tool & Die Company, Inc.	\$33,511	\$0		\$6,997
Boehringer Ingelheim Pharmaceuticals,	· · · · / ·	• -	+	· · /
Inc.	\$33,421	\$0	\$141,093	\$141,093
Tipton Medical & Diagnostic Center	\$33,382	\$0	\$27,713	
Expert Data Labs, LLC	\$33,284	\$0	\$25,756	
LifeSensors, Inc.	\$33,211	\$0	\$34,321	\$34,321
Vesuvius USA Corp.	\$32,804	\$0	\$43,788	
Target Precision, LLC	\$32,541	\$0	\$0	\$0
David Horn, LLC	\$32,134	\$0	\$0	\$0
Graybills Tool & Die, Inc.	\$31,885	\$0	\$0	\$0
John Bean Technologies Corporation	\$31,603	\$0	\$0	\$0
ATI Operating Holdings, LLC	\$31,509 \$21,225	\$0 \$0	\$0 \$42.004	\$0 \$42.004
Cernostics, Inc. Brookville Equipment Corporation	\$31,335 \$31,300	\$0 \$0	\$42,004 \$46,552	\$42,004 \$21,765
Magnetic Windings Co., Inc.	\$30,524	\$0 \$0	\$46,552	
Harsco Corporation	\$30,524	\$0 \$0	\$50,525	
Specialty Minerals, Inc.	\$30,147	\$0 \$0	\$1,710	
Chick Workholding Solutions, Inc.	\$30,117	\$0 \$0	\$22,434	\$0
Sealstrip Corporation	\$29,804	\$0 \$0	\$0	\$0 \$0
Z-Band, Inc.	\$29,476	\$0	\$56,835	\$56,835
Datagrove, Inc.	\$29,050	\$0	\$34,800	
Rinovum Womens Health, Inc. (f/k/a			. ,	. ,
Intimate Bridge 2 Conception, Inc.)	\$28,921	\$0	\$18,978	\$1
Psychology Software Tools, Inc.	\$28,445	\$0	\$61,718	\$8,500
KYDEX, LLC	\$28,250	\$0	\$0	\$0
Thermo Fisher Scientific, Inc.	\$28,232	\$0	\$170,272	\$0
Savana, Inc.	\$28,070	\$0	\$0	\$0
Eitel Presses, Inc.	\$27,856	\$0	\$0	\$0
Qmac - Quality Machining, Inc.	\$27,243	\$0	\$53,934	\$53,934
TMG Health, Inc.	\$27,242	\$0	\$0	\$0
Impact Applications, Inc.	\$27,187	\$0		
Shoefitr, Inc.	\$27,147	\$0		
Castle Mold and Tool, Inc.	\$27,051	\$0		
Martin Technology, Inc.	\$26,886	\$0		
Printmail Systems, Inc. Fab Tech, Inc. (d/b/a Corle Building	\$26,395	\$0	\$30,418	\$30,418
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Systems)	\$26,328 \$26,254	\$0 \$0	\$9,670 \$31,629	
Suntex Inernational, Inc. Supelco, Inc.	\$26,254 \$25,992	\$0 \$0		
NoWait, Inc.	\$25,892	\$0 \$0		
Innovative Control Systems, Inc.	\$25,744	\$0 \$0		
Lunchtime Software, LLC	\$25,683	\$0 \$0		
QBC Diagnostics, Inc.	\$25,621	\$0	\$2,637	\$151
Kroff Chemical Company	\$25,465	\$0		
MCI Communications Services, Inc.	\$25,157	\$0		\$9,681
Wacker Chemical Corporation	\$25,012	\$0		
Ashland, Inc.	\$24,909	\$0	\$5,710	\$0
Huston, Inc.	\$24,877	\$0		
New Berry, Inc. Berry Metal Company	\$24,724	\$0	\$0	
KW, Inc.	\$24,595	\$0		
Mars Fishcare NA, Inc.	\$24,257	\$0		\$14,541
Hodge Tool Company, Inc.	\$24,162	\$0		
Hamill Manufacturing Company	\$24,020	\$0	\$0	\$0

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	2013 Credit Awarded	2013 Credit Utilized <sup>1</sup>	2012 & 2011 Cradit Awardad	2012 & 2011 Credit Utilized <sup>1</sup>
Taxpayer Name			Credit Awarded	
Rent Jungle, LLC	\$23,939	\$0	\$13,828	\$13,828
Zivtech, LLC	\$23,867	\$0	\$0	\$0
Oberon, Inc. The Milnes Co., Inc.	\$23,763	\$0	\$19,041	\$19,041
Richter Precision, Inc.	\$23,650 \$23,566	\$0 \$0	\$64,459 \$4,464	\$0 \$4,464
Lamtec Corporation	\$23,566	\$0 \$0	\$6,454	\$4,464 \$6,454
Universal Electric Corporation	\$23,348	\$0 \$0	\$21,311	\$0,454
Blair Strip Steel Co.	\$23,300	\$0 \$0	\$17,467	\$0 \$17,467
Leidos, Inc. (f/k/a Science Applications	<i>\</i>	<b>~</b> ~	ψ11,401	ψΠ,401
International Corp.)	\$23,218	\$0	\$28,303	\$0
Airolution, LLC	\$23,135	\$0 \$0	\$0	\$0 \$0
Boulden Energy Systems, Inc.	\$22,975	\$0	\$0	\$0
Maguire Products, Inc.	\$22,876	\$0	\$4,495	\$950
Stack, Garber and Associates, Inc.	\$22,719	\$0	\$19,537	\$19,537
Sicom Systems, Inc.	\$22,561	\$0	\$57,461	\$57,461
K-Fab, Inc.	\$22,485	\$0	\$0	\$0
Centroid Corporation	\$22,461	\$0	\$33,616	
Branch Medical Group, Inc.	\$22,435	\$0	\$18,850	\$18,850
QR Pharma, Inc.	\$22,414	\$0	\$42,511	\$42,511
Robert Bosch, LLC	\$22,374	\$0	\$0	\$0
ChromaTan, Inc.	\$22,313	\$0	\$0	\$0
Langan Engineering and Environmental				
Services, Inc.	\$22,180	\$0	\$0	\$0
Motors Drives & Controls, Inc.	\$22,131	\$0	\$6,757	\$5,929
Manley Holdings, Inc.	\$21,812	\$0	\$74,782	\$74,782
Express Dynamics, LLC	\$21,670	\$0	\$0	\$0
Diversified Machine, Inc.	\$21,544	\$0	\$14,223	\$1,741
Golden Brothers, Inc. (t/a Golden	<b>A</b> A4 400		<b>*</b> ****	<b>*</b> ****
Technologies)	\$21,423	\$0 \$0	\$34,348	\$34,348
Collegiate Furnishing, Inc. Streamlight, Inc.	\$21,030 \$20,844	\$0 \$0	\$11,346 \$12,206	
CIW Enterprises, Inc.	\$20,844 \$20,659	\$0 \$0	\$13,306 \$2,473	<del>۵۱۵,306</del> \$2
Pelletron Corporation	\$20,605	\$0 \$0	\$27,778	<del>پر</del> \$27,778
AH Sportswear Co., Inc.	\$20,262	\$0 \$0	\$0	\$0
CM3 Building Solutions, Inc.	\$20,186	\$0	\$0	\$0
Sargent Electric Company	\$20,151	\$0	\$0	\$0
<u> </u>	+==;===		+-	+-
Avianna Molecular Technologies, LLC	\$20,034	\$0	\$24,119	\$24,119
Soft Genetics, LLC	\$19,852	\$0	\$33,884	\$33,884
US Silica Company	\$19,728	\$0	\$0	\$0
Talbar, Inc.	\$19,723	\$0	\$26,816	\$1,223
Kwantera Incorporated	\$19,624	\$0	\$0	
Wampum Hardware Co.	\$19,539	\$0	\$11,939	\$11,939
Packaging Progressions, Inc.	\$19,475	\$0	\$0	
Pivitec, LLC	\$19,413	\$0	\$0	\$0
Voci Technologies Incorporated	\$19,353	\$0	\$40,355	\$40,355
ConAgra Foods Enterprise Services, Inc.	\$19,218	\$0	\$0	\$0
Heyl & Patterson, Inc.	\$19,041	\$0	\$0	\$0
Magnesita Refractories Company	\$18,947 \$18,820	\$0 \$0	\$6,080 \$1,403	
Co-eXprise, Inc. Speciality Tires of America, Inc.	\$18,830 \$18,713	\$0 \$0	\$1,493 \$26,235	
Ranbar Electrical Materials, Inc.	\$18,713 \$18,670	\$0 \$0	\$26,235 \$50,344	\$0 \$50,344
Fluitron, Inc.	\$18,660	\$0 \$0	\$50,344 \$0	\$50,344 \$0
JetAir, Inc.	\$18,421	\$0 \$0	\$0 \$0	\$0 \$0
Just Born, Inc.	\$18,341	\$0 \$0	\$0 \$15,288	
Thompsons Candle Co.	\$18,275	\$0 \$0	\$10,882	\$1,684
Michael & Associates, Inc.	\$18,166	\$0 \$0	\$21,606	
Automated Financial System, Inc.	\$18,151	\$0	\$0	
Apprise Software, Inc.	\$18,083	\$0	\$13,404	\$0
First Insight, Inc.	\$17,992	\$0	\$35,863	

		2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	2013 Credit Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
Lehigh Valley Technologies, Inc.	\$17,951		\$1,415	
Markovitz Enterprises, Inc.	\$17,901	\$0 \$0	<del>ټ</del> ۱,415 \$0	\$0 \$0
W.L. Gore & Associates, Inc.	\$17,800	\$0 \$0	\$39,943	\$33,524
Synopsys, Inc.	\$17,793	\$0	\$13,086	\$0
Boose at Cornwall, Inc.	\$17,677	\$0	\$0	\$0
CloudMine, LLC	\$17,581	\$0	\$0	\$0
Unicast Company	\$17,533	\$0	\$0	\$0
M-Mech Defense, Inc.	\$17,510	\$0	\$12,095	\$12,095
Custom Processing Services, Inc.	\$17,469	\$0	\$0	\$0
Walsh Construction Company	\$17,449	\$0	\$25,532	\$25,532
Jeannette Shade and Novelty Company	•		• • • • • • •	
(dba JSG Oceana)	\$17,253	\$0	\$10,290	\$0
Richardson Cooling Packages, LLC	\$17,002	\$0	\$5,470	\$883
Assistive Technology Products, Inc.	\$16,914	\$0	\$67,606	\$67,606
New Way Machine Components, Inc. (dba		<b>A</b> 0	<b>A</b> 44 AA4	
New Way Precision)	\$16,842	\$0	\$14,001	\$0 \$6 586
Weir Hazleton, Inc. Plextronics, Inc.	\$16,697 \$16,420	\$0 \$0	\$26,943 \$71,047	\$6,586 \$71,047
Spectragenetics, LLC	\$16,420	\$0 \$0	\$71,047	\$71,047 \$0
Lake Tool, Inc.	\$16,273	\$0 \$0	\$0	\$0 \$0
Chemcut Holdings, LLC	\$16,232	\$0	\$42,478	\$42,359
Jarus Technologies Incorporated	\$16,167	\$0	\$0	\$0
Radius Corporation	\$16,031	\$0	\$0	\$0
The Drucker Company, Inc.	\$15,967	\$0	\$0	\$0
Shaw Industries, Inc.	\$15,958	\$0	\$14,759	\$129
Problem Solutions, LLC	\$15,919	\$0	\$7,393	\$7,393
Clarion Sintered Metals, Inc.	\$15,816	\$0	\$0	\$0
ExecutivePulse, Inc.	\$15,681	\$0	\$31,685	\$31,680
Gap Holding Company, Inc.	\$15,629	\$0	\$0	\$0
SKF USA, Inc. Forms and Surfaces, Inc.	\$15,476	\$0 \$0	\$0 \$10,744	\$0 \$4,825
Big B Manufacturing, Inc.	\$15,462 \$15,334	\$0 \$0	\$10,744	\$4,825 \$0
Insinger Machine Company	\$15,316	\$0	\$24,468	\$24,468
Dynamic Materials Corporation	\$15,151	\$0	\$2,461	\$2,461
Infrascan, Inc.	\$15,077	\$0	\$0	\$0
Abbott Furnace Company, Inc.	\$15,071	\$0	\$3,892	\$3,892
Production System Technologies, Inc.	\$15,044	\$0	\$15,005	\$15,005
Flyer City Media, LLC (d/b/a MetroMe)	\$14,639	\$0	\$0	\$0
L.F. Lambert Spawn Company, Inc.	\$14,592	\$0	\$6,781	\$0
Allomet Corporation	\$14,544	\$0	\$49,274	\$0
Kieran Timberlake Associates, LLP	\$14,489	\$0	\$0	\$0
Hermance Strouse, Inc.	\$14,426	\$0	\$4,152	\$4,152
USSC Group, Inc.	\$14,425	\$0	\$0	\$0
Diversified Coatings, Inc.	\$14,424	\$0	\$0	\$0
Sentient Investment Corporation Berwind Corporation	\$14,418 \$14,275	\$0 \$0	\$7,034	\$7,034
Cloud Computing Technologies, LLC	\$14,375 \$14,370	\$0 \$0	\$8,134 \$6,553	\$8,134 \$6,553
Jazz Pharmaceuticals, Inc.	\$14,203	\$0 \$0	\$0,555 \$0	\$0,555 \$0
Fogmaker North America, LLC	\$14,186	\$0	\$4,179	\$0 \$0
Follett Corporation	\$13,953	\$0	\$17,988	\$6,430
VT Graphics, Inc.	\$13,741	\$0	\$3,265	\$191
Sweet Street Desserts, Inc.	\$13,670	\$0	\$28,583	\$28,583
Jamestown Paint Company	\$13,571	\$0		\$1,796
Raven Industries, Inc.	\$13,565	\$0	\$12,685	\$12,685
PSI Pumping Solutions, Inc.	\$13,522	\$0	\$0	\$0
American Turned Products, Inc.	\$13,414	\$0	\$19,198	\$17,563
Essent Corporation	\$13,252	\$0		\$0
Ismael J. Hidalgo	\$13,189 \$12,180	\$0		\$16,888
Patrick M. Dentinger	\$13,189 \$12,048	\$0 \$0	\$16,892 \$2,242	\$16,892 \$2,242
Advanced Cooling Technologies, Inc.	\$12,948	\$0	\$2,343	\$2,343

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
Calumet Specialty Product Partners, LP	\$12,839	\$0	\$0	\$0
Reclamere, Inc.	\$12,823	\$0	\$51,176	\$51,176
LCR Electronics	\$12,697	\$0	\$31,006	\$18,746
Try Tek Machine Works Incorporated Flexicon Corporation	\$12,687	\$0	\$9,953	\$0 \$0
Terra Group Corporation	\$12,657 \$12,649	\$0 \$0	\$0 \$0	\$0 \$0
	<b>\$12,049</b>	<b>Φ</b> 0	<b>Φ</b> 0	ቅቦ
Diamondback Automative Accessories	\$12,565	\$0	\$28,866	\$27,098
Ventana USA	\$12,320	\$0 \$0	\$84,376	\$55,480
Crestwood Membranes, Inc.	\$12,291	\$0	\$10,821	\$10,821
Dobil Laboratories, Inc.	\$12,170	\$0	\$31,925	\$11,534
Solo Laboratories, Inc.	\$12,153	\$0	\$1,224	\$1,224
Clutch Holdings, LLC	\$12,137	\$0	\$0	\$0
Cavanaugh Marketing Network, Inc. (dba		•		
Cavanaugh)	\$12,132	\$0	\$28,540	\$0
ThreeRivers 3D, Inc.	\$11,880	\$0 \$0	\$3,448	\$3,448
Lloyd Industries, Inc.	\$11,790	\$0	\$0	\$0
OptiXtal, Inc.	\$11,713	\$0	\$0	\$0
Train Control Systems, Inc.	\$11,713	\$0	\$0	\$0
Actco Tool & Manufacturing Company, Ind	\$11,562	\$0	\$0	\$0
Rebco, Inc.	\$11,544	\$0	\$25,438	\$25,438
Basic Carbide Corporation	\$11,395	\$0	\$5,859	\$570
Flexicath, Inc.	\$11,331	\$0	\$16,111	\$0
Fortna, Inc.	\$11,231	\$0	\$0	\$0
Superior Tire & Rubber Corp.	\$11,160	\$0	\$10,656	\$819
Redpath Integrated Pathology, Inc.	\$10,958	\$0	\$6,641	\$0
Premier Automation, LLC	\$10,926	\$0	\$6,140	\$0
Steven B. Golden Associates, Inc. (t/a				
Artskills)	\$10,889	\$0	\$98,477	\$41,370
ProMinent Fluid Controls, Inc.	\$10,866	\$0	\$0	\$0
IPEG, Inc.	\$10,825	\$0	\$0	\$0
American Infrastructure, Inc.	\$10,785	\$0	\$13,213	\$0
Plastek Industries, Inc.	\$10,590	\$0	\$0	\$0
Cook Vascular Corporation	\$10,460	\$0	\$13,133	\$13,133
K'Nex Brands, LP	\$10,457	\$0	\$0	\$0
Pilot Air Freight Corp.	\$10,403	\$0	\$0	\$0
Kovatch Mobile Equipment Corp.	\$10,315	\$0	\$10,146	
Power Conversion Technologies, Inc.	\$10,291	\$0	\$10,980	\$10,980
Triumph Controls, LLC	\$10,281	\$0	\$0	\$0
Biocoat, Inc.	\$10,277	\$0	\$17,714	\$17,714
Custom Laminating Corporation Beaumont Development, LLC	\$10,162	\$0	\$12,681	\$12,681
Alcoil USA, LLC	\$10,157 \$10,127	\$0 \$0	\$12,730 \$0	\$12,730
	\$10,137		\$0 \$0	\$0 \$0
Rhodia, Inc. United Metal Fabricators, Inc.	\$10,069 \$9,907	\$0 \$0	\$0 \$3,679	\$0 \$3,679
Laminar Flow, Inc.	\$9,907	\$0 \$0	\$3,679	\$28,383
Laminar Flow, Inc. Aptagen, LLC	\$9,761	\$0 \$0	\$28,383 \$9,734	\$28,383 \$9,734
Pennsylvania-American Water Company	\$9,698	\$0 \$0	\$9,734 \$6,286	\$6,286
Sentric, Inc.	\$9,649	\$0 \$0	\$5,510	\$5,510
AcademyOne, Inc.	\$9,611	\$0 \$0	\$64,469	\$64,469
Max Levy Autograph, Inc.	\$9,462	\$0 \$0	\$0 \$0	\$04,403 \$0
VascularStrategies, LLC	\$9,440	\$0 \$0	\$18,922	\$18,922
CTR Systems Parking, Inc.	\$9,347	\$0 \$0	\$0	\$0
Markel Corporation	\$9,285	\$0	\$17,762	\$1,340
Shifa Biomedical Corporation	\$9,110	\$0	\$77,285	\$77,285
Epic Web Studios	\$9,063	\$0	\$0	\$0
Effort Enterprises, Inc.	\$9,061	\$0		\$6,903
EKL Machine, Inc.	\$9,016	\$0	\$115,776	\$304
Standing Stone Consulting, Inc.	\$8,937	\$0	\$2,618	\$2,618

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
GAI Consultants, Inc.	\$8,853	\$0	\$0	\$0
Circadiance, LLC	\$8,823	\$0 \$0	\$0	\$0
Flexible Compensators, Inc. (t/a Flex	<i>\$0,010</i>	<b>*</b> *	֥	֥
Com)	\$8,814	\$0	\$53,214	\$20,915
E.A. Fischione Instruments, Inc.	\$8,725	\$0 \$0	\$11,449	\$5,413
Community Light and Sound, Inc.	\$8,677	\$0 \$0	\$20,430	\$20,430
SKC, Inc.	\$8,622	\$0 \$0	\$6,758	\$6,758
Chelsea Building Products, Inc.	\$8,619	\$0	\$4,341	\$4,341
Joseph Barbato Associates, LLC	\$8,615	\$0	\$19,325	\$0
Phonetics, Inc. (d/b/a Sensaphone)	\$8,550	\$0	\$0	\$0
Verizon Data Services, LLC	\$8,517	\$0	\$105,258	\$1,110
Element ID, Inc.	\$8,453	\$0	\$0	\$0
Reaxis, Inc.	\$8,426	\$0	\$5,134	\$696
Superior Plastic Products, Inc.	\$8,341	\$0	\$0	\$0
Bostik, Inc.	\$8,334	\$0	\$14,167	\$14,167
Therm-Omega-Tech, Inc.	\$8,186	\$0	\$0	\$0
Mainstream Swimsuits, Inc.	\$8,145	\$0	\$29,507	\$0
Nazareth Industrial Corporation	\$8,079	\$0	\$43,041	\$43,041
SofterWare, Inc.	\$8,057	\$0	\$10,974	\$10,974
Herkules USA Corporation	\$7,893	\$0	\$0	\$0
Altra Industrial Motion, Inc.	\$7,740	\$0	\$29,758	\$0
Pittsburgh Logistics System, Inc.	\$7,737	\$0	\$0	\$0
Solar Innovations, Inc.	\$7,644	\$0	\$20,428	\$20,428
Intelmarx, Inc.	\$7,379	\$0	\$0	\$0
Medical Products Laboratories, Inc.	\$7,371	\$0	\$0	\$0
EF Precision, Inc.	\$7,343	\$0	\$6,439	\$6,439
Phoenix Contact Development &				
Manufacturing, Inc.	\$7,292	\$0	\$118,338	\$0
Custom Milling & Consulting, Inc.	\$7,284	\$0	\$10,619	\$10,619
Newman & Company, Inc.	\$7,203	\$0	\$0	\$0
The Warrell Corporation	\$7,170	\$0	\$0	\$0
PTR Group, LP	\$7,097	\$0	\$18,474	\$18,474
Talencea Corporation	\$6,981	\$0	\$0	\$0
Advanced Textile Composites, Inc.	\$6,948	\$0	\$5,499	\$5,499
Pasco Tool & Plastics, Inc.	\$6,925	\$0	\$8,151	\$8,151
Port Erie Plastics, Inc.	\$6,920	\$0	\$0	\$0
Okna Windows Corp.	\$6,918	\$0	\$0	\$0
PDQ Industries, Inc.	\$6,814	\$0	\$16,937	\$2,437
Reading Precast, Inc.	\$6,745	\$0	\$0	\$0
Drakontas, LLC	\$6,737	\$0	\$0	\$0
Erdman Anthony Associates, Inc.	\$6,697	\$0	\$0	\$0
Chromalox, Inc.	\$6,667	\$0	\$0	\$0
Ernst Conservation Seeds, Inc.	\$6,525	\$0	\$8,621	\$4,172
Gonnella Baking Company	\$6,398	\$0	\$0	\$0
Leech Industries, Inc.	\$6,327	\$0	\$3,027	\$3,027
Packworld USA, Ltd.	\$6,286	\$0	\$7,701	\$0
Hosler Corp.	\$6,280	\$0	\$0	\$0
FutureWei Technologies, Inc.	\$6,235	\$0	\$0	\$0
C.U.E., Inc.	\$6,212	\$0	\$6,019	\$1,111
Liquid X Printed Materials, Inc.	\$6,166	\$0	\$0	\$0
Furman Foods, Inc.	\$6,150	\$0	\$0	\$0
Magnatech International, Inc.	\$6,131	\$0	\$2,970	\$2,970
Allpoint Systems, LLC	\$6,124	\$0	\$0	\$0
Whitewater International, LLC	\$6,001	\$0	\$5,683	\$5,683
Spring City Electrical Mfg. Co.	\$5,901	\$0	\$0	\$0
Bulk Chemicals, Inc.	\$5,898	\$0	\$4,450	\$4,450
Tyrone Milling	\$5,859	\$0	\$11,319	
Philadelphia Tramrail Enterprises, Inc.	\$5,834	\$0	\$8,659	\$1,104
Thread, LLC	\$5,781	\$0	\$0	\$0
Flexcut Tool Co., Inc.	\$5,715	\$0	\$0	\$0

		2013 Credit	0040 8 0044	2012 & 2011
Taxpayor Nama	2013 Credit Awarded	Utilized <sup>1</sup>	2012 & 2011 Credit Awarded	Credit Utilized <sup>1</sup>
Taxpayer Name				
Sun Star, Inc. Godshalls Quality Meats, Inc.	\$5,651 \$5,630	\$0 \$0	\$7,338 \$6,142	\$7,338 \$5,471
Havis, Inc.	\$5,630	\$0 \$0	\$0,142	\$5,471 \$0
AllFill, Inc.	\$5,613	\$0 \$0	\$0	\$0 \$0
X-F Enterprises, Inc.	\$5,435	\$0 \$0	\$4,568	\$533
Cardinal Systems, Inc.	\$5,399	\$0 \$0	\$9,927	\$5,317
FLSmidth, Inc.	\$5,145	\$0	\$10,380	\$10,380
Skid Pipe Insulation, LLC	\$5,025	\$0	\$0	\$0
Turgeon Engineering, Inc.	\$4,992	\$0	\$0	\$0
Crystalplex Corporation	\$4,942	\$0	\$23,600	\$23,600
Edgemate, Inc.	\$4,929	\$0	\$8,402	\$3,614
Ingmar Medical, Ltd.	\$4,855	\$0	\$29,000	\$29,000
Preferred Security Components, Inc.	\$4,847	\$0	\$0	\$0
Pittsburgh Plastics Mfg, Inc.	\$4,792	\$0	\$10,404	\$7,938
Go Green APU, LLC	\$4,786	\$0	\$10,583	\$4
Lebanon Tool Company, Inc.	\$4,779	\$0	\$10,325	\$1,189
East Coast Erosion Blankets, LLC (dba				
East Coast Erosion Control)	\$4,715	\$0	\$8,567	\$8,567
Valtech Corporation	\$4,712	\$0	\$51,842	\$35,415
Fairmount Foundry, Inc.	\$4,711	\$0	\$30,064	
Sentry Data Systems, Inc.	\$4,681	\$0	\$1,271	\$1,271
NeuroDx Development, LLC	\$4,561	\$0	\$0	\$0
Intertek Tesrting Serv. NA	\$4,551	\$0	\$0	\$0
Premier Dental Products Company	\$4,547	\$0	\$0	\$0
SFS Intec Incorporated	\$4,535	\$0	\$11,067	\$491
Prova Systems and Technologies, Inc.	\$4,473	\$0	\$0	\$0
Hydac Technology Corp.	\$4,465	\$0	\$5,813	\$5,813
Delmont Laboratories, Inc.	\$4,392 \$4,395	\$0 \$0	\$4,411	\$3 \$0
White Oak Mills, Inc. Highwood USA, LLC	\$4,385 \$4,238	\$0 \$0	\$3,747 \$8,454	\$0 \$0
Keystone Machinery Corporation	\$4,238	\$0 \$0	\$6,419	\$0 \$6,419
Viking Tool & Gage, Inc.	\$4,204	\$0 \$0	\$5,856	\$37
SAS Institute, Inc.	\$4,171	\$0 \$0	\$5,815	\$5,815
Vulcan Spring & Mfg., Co.	\$3,967	\$0	\$0	\$0
Cybergenetics Corp.	\$3,915	\$0	\$2,605	\$2,605
Worldwide Refractories, Inc.	\$3,891	\$0	\$0	\$0
Creative Engineers, Inc.	\$3,878	\$0	\$9,870	\$4,169
Penn-Century, Inc.	\$3,843	\$0	\$0	\$0
SparkNET Technologies, LLC	\$3,800	\$0	\$3,292	\$3,292
Analytical Graphics, Inc.	\$3,763	\$0	\$58,192	\$7,324
Delserro Engineering Solutions, Inc.	\$3,678	\$0	\$4,139	\$0
Genossis, LLC	\$3,670	\$0	\$0	\$0
Powerex, Inc.	\$3,548	\$0	\$0	
Proxicast, LLC	\$3,494	\$0	\$18,782	\$14,263
TLC North, LLC	\$3,431	\$0	\$2,603	
Rosenberger of North America, LLC	\$3,389	\$0	\$0	\$0
Levan Machine Co., Inc.	\$3,386	\$0	\$4,915	\$4,915
J Baur Machining, Inc.	\$3,358	\$0	\$6,287	\$6,287
BlueSwarf, LLC	\$3,322	\$0	\$0	\$0
Deasey Machine Tool & Die Works, Inc.	\$3,220	\$0	\$11,316	\$11,316
Crystal, Inc PMC	\$3,206	\$0	\$10,073	
Rubitection, Inc.	\$3,180	\$0	\$0 \$11.122	\$0
Beaver Steel Services, Inc.	\$3,137	\$0 ¢0	\$11,133	\$11,133
Harold Beck & Sons, Inc.	\$3,106	\$0 \$0	\$0 \$2,756	\$0 \$951
Valley Instrument Co., Inc. ParaCoat Technologies, Inc.	\$3,068 \$3,037	\$0 \$0	\$3,756 \$0	\$851 \$0
Minteg International, Inc.	\$3,037 \$3,028	\$0 \$0	\$0 \$0	\$0 \$0
Solenoid Solutions, Inc.	\$3,028 \$2,957	\$0 \$0		
Premier Automation Holdings, Inc.	\$2,957	\$0 \$0	<del>ە</del> 0 \$11,005	\$0 \$0
Resco Products, Inc.	\$2,875	\$0 \$0		
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		2013 Credit		2012 & 2011
<b>T M</b>	2013 Credit Awarded	Utilized <sup>1</sup>	2012 & 2011 Credit Awarded	Credit Utilized <sup>1</sup>
Taxpayer Name				
David Michael & Co., Inc.	\$2,765	\$0	\$4,791	\$4,791
Intellectual Proprerty Enterprises, LLC			••	•
(d/b/a Neuralware)	\$2,672	\$0	\$0	\$0
PRL, Inc. EAM Mosca Corp.	\$2,650	\$0 \$0	\$4,952 \$12,321	\$1,494 \$12,321
Competition Tire East, Inc.	\$2,615 \$2,595	\$0 \$0	\$12,321 \$0	\$12,321 \$0
BirdBrain Technologies, LLC	\$2,535	\$0 \$0	\$0	\$0
Embedded Energy Technology, LLC	\$2,558	\$0 \$0	\$0	\$0 \$0
Industrial Vision Systems, Inc.	\$2,553	\$0	\$2,415	\$0
Combined Systems, Inc.	\$2,547	\$0	\$0	\$0
Peacock Laboratories	\$2,473	\$0	\$0	\$0
Easthill Specialty, Inc.	\$2,459	\$0	\$16,759	\$16,759
Materion Brush, Inc. (f/k/a Brush				
Wellman, Inc.)	\$2,428	\$0	\$2,692	\$1,537
InspiraFS, Inc.	\$2,381	\$0	\$8,378	\$5,060
RJM Manufacturing, Inc.	\$2,369	\$0	\$1,601	\$5
Loridian, LLC	\$2,337	\$0	\$35,431	\$35,431
Boose Aluminum Foundry Co., Inc.	\$2,334	\$0	\$0	\$0
Benjamin Obdyke, Inc.	\$2,173 \$2,150	\$0 \$0	\$0	\$0
AFP Advanced Food Products, LLC S. Vitale Pyrotechnic Industries, Inc.	\$2,159 \$2,147	\$0 \$0	\$0 \$15,976	\$0 \$14,306
O.F. Zurn Company	\$2,147	\$0 \$0	\$15,976	\$3,056
Interbots, LLC	\$2,085	\$0 \$0	\$3,030	\$3,050
School Gate Guardian, Inc.	\$2,043	\$0 \$0	\$0	\$0
PSG Controls, Inc.	\$1,943	\$0	\$0	\$0
Triumph Interiors, LLC	\$1,856	\$0	\$0	\$0
Implementation Consulting Service	\$1,806	\$0	\$0	\$0
Interstate Building Materials, Inc.	\$1,800	\$0	\$16,023	\$16,023
Nielsen-Kellerman, Co.	\$1,800	\$0	\$0	\$0
Alpine Thermal Technologies, Inc.	\$1,751	\$0	\$0	\$0
TekResults, Ltd.	\$1,689	\$0	\$0	\$0
Gautier Steel, Ltd.	\$1,601	\$0	\$5,793	\$5,793
Honeywell Electronic Materials, Inc. Minnotte Contracting Corporation	\$1,591	\$0 \$0	\$5,487	\$5,487
Penn Color, Inc.	\$1,580 \$1,549	\$0 \$0	\$0 \$0	\$0 \$0
Caledonian Dye Works, Inc.	\$1,545	\$0 \$0	\$0	\$0 \$0
Matreya, LLC	\$1,498	\$0 \$0	\$0	\$0 \$0
Precision Defense Services, Inc.	\$1,419	\$0	\$0	
Sciquest, Inc.	\$1,393	\$0	\$23,326	\$0
Sussex Wire, Inc.	\$1,367	\$0	\$0	\$0
Sylvin Technologies, Inc.	\$1,305	\$0	\$2,270	\$328
Viridity Energy, Inc.	\$1,289	\$0	\$0	\$0
General Transervice, Inc.	\$1,239	\$0	\$0	\$0
Tri-City Marble, LLC	\$1,236	\$0	\$0	\$0
Dean Technology, Inc.	\$1,219	\$0	\$11,118	\$4,437
Kermitool Acquisition Company, Inc.	\$1,218	\$0	\$0	\$0
Integrated Fabrication & Machine, Inc.	\$1,166	\$0	\$0 \$1 738	\$0 \$1 739
R-V Industries, Inc.	\$1,144 \$1,144	\$0 \$0	\$1,738 \$0	\$1,738 \$0
DynAccess, Ltd. TIW Technology, Inc.	\$1,114 \$1,061	\$0 \$0	\$0 \$0	\$0 \$0
PRL Industries, Inc.	\$1,001	\$0 \$0	\$0 \$1,617	\$94
Shanks Extracts, Inc.	\$1,029	\$0 \$0	\$0	\$0
Custom Processing Services, LLC	\$1,018	\$0	\$0	\$0
Atlas Minerals & Chemicals, Inc.	\$981	\$0	\$1,163	\$1,163
Griffith, Inc. (t/a Alpha Systems)	\$972	\$0	\$20,787	\$14,503
McAdoo & Allen, Inc.	\$925	\$0	\$3,238	\$0
VaxForm, LLC	\$854	\$0	\$0	\$0
Vista Auctions, LLC	\$850	\$0	\$2,504	\$2,504
Agrofresh, Inc.	\$760	\$0	\$0	\$0
MGS, Inc.	\$714	\$0	\$0	\$0

		2013 Credit		2012 & 2011
	2013 Credit	Utilized <sup>1</sup>	2012 & 2011 Credit Awarded	
Taxpayer Name	Awarded			Credit Utilized <sup>1</sup>
S&S X-Ray Products, Inc.	\$656	\$0	\$1,618	
Mars Incorporated	\$610	\$0	\$20,821	\$20,821
American Textile Company, Inc.	\$570	\$0	\$3,955	\$0
RD Coatings, Inc.	\$569 \$522	\$0 \$0	\$57,526	\$57,526
Knoll, Inc. State of the Art, Inc.	\$522 \$518	\$0 \$0	\$36,671 \$0	\$36,671 \$0
PBM, Inc.	\$470	\$0 \$0	\$0 \$7,977	\$5,586
Sensible Machines, Inc.	\$422	\$0	\$873	\$873
Glen Carbide, Inc.	\$421	\$0 \$0	\$7,973	\$7,973
Adventus Technology, Inc.	\$413	\$0	\$0	\$0
Controls Fusion Group, LP	\$389	\$0	\$11,603	\$11,603
Nitromega Corporation	\$361	\$0	\$0	\$0
Misco Products Corporation	\$287	\$0	\$1,515	\$726
Lazarus Therapeutics, Inc.	\$259	\$0	\$131,217	\$0
Georgia Pacific Corrugated, LLC	\$219	\$0	\$0	\$0
Canto Tool Corporation	\$200	\$0	\$0	\$0
Georgia Pacific Corrugated II, LLC	\$192	\$0	\$0	\$0
Regal Cast, Inc.	\$184	\$0	\$1,006	\$681
TB Woods Incorporated Wolf Technologies, LLC	\$166 \$164	\$0 \$0	\$6,752 \$0	\$376 \$0
PSB Industries, Inc.	\$164	\$0 \$0	\$0 \$0	\$0 \$0
Lozier Corporation	\$13	\$0 \$0	\$0 \$123	\$0 \$123
ABEC, Inc.	φ40 \$0	\$0 \$0	\$14,507	\$14,507
Accipiter Systems, Inc.	\$0	\$0	\$79,108	\$79,108
Acopian Technical Company	\$0	\$0	\$6,160	
Actuated Medical, Inc. ( f/k/a Piezo	• -	• -		
Resonance Innovations, Inc.	\$0	\$0	\$85,288	\$85,288
Acutec Precision Machining, Inc.	\$0	\$0	\$7,239	
Acutronic USA, Inc.	\$0	\$0	\$20,590	\$2,355
Adaptive Resources, Inc.	\$0	\$0	\$1,887	\$0
Advanced Carbon Technologies, Inc.	\$0	\$0	\$58,499	\$31,901
			• • • • • • • •	
Advanced Controls & Distribution, LLC	\$0	\$0	\$14,197	\$692
Advanced Manufacturing Technologies	\$0	\$0	\$3,010	\$3,010
Advanced Mobile Solutions Worldwide,				
Inc.	\$0	\$0	\$4,536	\$4,536
Advanced Technology Solutions, Inc.	•	•	<b>•</b> - • • •	<b>A</b>
(d/b/a GeoGraphit)	\$0	\$0	\$7,841	\$7,841
Agentase, LLC	\$0	\$0		
Air Products and Chemicals, Inc. Alertek, LLC	\$0 \$0	\$0 \$0	\$40,938 \$473	\$0 \$0
Alung Technologies, Inc.	\$0 \$0	\$0 \$0		\$243,033
American Enterprises MPT Corp.	\$0 \$0	\$0 \$0	\$20,922	
American Reading Company, Inc.	\$0	\$0 \$0	\$15,166	
Amgen USA, Inc.	\$0	\$0	\$5,401	\$5,401
Amphenol Intercon Systems, Inc.	\$0	\$0	\$36,842	
Amuneal Manufacturing Corp.	\$0	\$0	\$56,565	
Angstrom Sciences, Inc.	\$0	\$0	\$1,890	\$74
AntakaMatics, Inc.	\$0	\$0	\$666	\$496
Appcove, Inc.	\$0	\$0	\$2,937	\$2,937
Applied Geology and Environmental				
Science, Inc.	\$0	\$0	\$19,926	\$4,173
ASI Technologies, Inc.	\$0	\$0	\$13,793	
AT&T Mobility Services, LLC	\$0	\$0	\$95,242	\$0
Ateeco, Inc.	\$0	\$0	\$1,769	\$1,769
Avery Dennison Corporation	\$0	\$0	\$139,456	\$29,587
			<b></b>	<b>A</b> ( <b>A</b> ) = (
Avery Dennison Retail Info. Services, LLC		\$0	\$49,061	\$13,431
Avid Radiopharmaceuticals, Inc.	\$0	\$0	\$159,381	\$159,381

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2012 & 2011 Credit Awarded	2012 & 2011 Credit Utilized <sup>1</sup>	
\$224,846	\$224,846	
\$1,126	\$1,126	
\$211.028	\$211.028	

Axion Power Battery Mfg, Inc.	\$0	\$0	\$224,846	\$224,846
B&G Manufacturing Co., Inc.	\$0	\$0	\$1,126	\$1,126
BAE Systems Land & Armaments, LP				
(f/k/a United Defense, LP)	\$0	\$0	\$211,028	\$211,028
Beaumaris Networks, Inc. (BNI Video c/o	<b>*</b> *	<b>*</b> *	<i><b>↓⊥</b> , <b>0⊥</b> 0</i>	<i><b>4</b></i> <b>1111111111111</b>
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Cisco Systems, Inc.)	\$0	\$0	\$13,333	\$0
Bellefield Systems, LLC	\$0	\$0	\$6,584	\$6,123
Benefit Coordinators Corp.	\$0	\$0	\$4,336	\$3,283
Bergmann Associates, Inc.	\$0	\$0	\$5,723	\$5,723
Betts Industries, Inc.	\$0	\$0	\$7	\$7
Beyer Productions, LLC	\$0	\$0	\$99,418	\$99,418
Bio Rad Laboratories, Inc.	\$0	\$0	\$4,006	\$4,006
BioBuffer Solutions, Inc.	\$0	\$0	\$9,175	\$8,870
BioClinica, Inc.	\$0	\$0	\$33,145	\$33,145
BioNano Genomics, Inc. (f/k/a				
BioNanoMatrix, Inc.)	\$0	\$0	\$213,534	\$213,059
Blair Companies	\$0 \$0	\$0	\$1,753	\$1,753
Bodymedia, Inc.	\$0 \$0	\$0	\$77,181	\$19,805
		\$0 \$0	\$77,181	
Bosch Rexroth Corporation	\$0 \$0			\$548 \$0,750
Brandywine Photonics, LLC	\$0	\$0	\$9,750	\$9,750
Breen Energy Solutions, LLC	\$0	\$0	\$43,109	\$300
Bryton Distribution Group, Inc.	\$0	\$0	\$1,521	\$0
BSC Technologies, Inc.	\$0	\$0	\$2,604	\$2,604
C.F. Martin Co., Inc.	\$0	\$0	\$788	\$788
Callidus Biopharma, Inc.	\$0	\$0	\$24,402	\$0
Campus Door Holdings, Inc.	\$0	\$0	\$109,680	\$62,723
Cardiokine Biopharma, LLC	\$0	\$0	\$25,511	\$25,511
Carpenter Powder Products, Inc.	\$0	\$0	\$610	\$0
CDG Environmental, LLC	\$0	\$0	\$15,683	\$15,683
Cellular Tracking Technologies, LLC	\$0	\$0	\$11,462	\$11,462
Cephalon, Inc.	\$0	\$0	\$740,231	\$740,231
Channellock, Inc.	\$0	\$0	\$79,182	\$4,512
Cheetah Technologies, LP	\$0	\$0	\$19,399	\$0
ChemImage Corporation	\$0	\$0 \$0	\$143,735	\$143,735
Chester Engineers, Inc.	\$0	\$0 \$0	\$20,469	\$20,469
Church & Dwight Co., Inc.	\$0 \$0	\$0 \$0	\$7,179	\$0
Clair Bros. Audio Systems, Inc.	\$0 \$0	\$0 \$0	\$5,906	\$5,906
Clark Filter, Inc.	\$0 \$0	\$0	\$969	\$0
Classic Industries, Inc.	\$0	\$0	\$66,308	\$58,715
Clearcount Medical Solutions, Inc.	\$0	\$0	\$223,122	\$223,122
Colorcon, Inc. & Division	\$0		\$64,456	\$64,456
Comcast Corporation	\$0			\$69,732
Communication Automation Corp.	\$0		\$65,469	\$65,469
Communications Test Design, Inc.	\$0		\$30,596	\$0
Community Networks, LLC	\$0		\$73,190	\$73,190
Compu-Craft Fabricator, Inc.	\$0		\$8,834	\$0
Computer Consultant Team, LLC	\$0	\$0	\$20,293	\$20,293
Consolidated Comm Enterprise Services	\$0	\$0	\$5,373	\$5,373
Control Chief Corporation	\$0		\$318	\$318
Cook Mysosite Inc.	\$0		\$81,082	\$4,110
Cook Technologies, Inc.	\$0		\$11,124	\$207
Cordis Corporation	\$0		\$423,335	\$192,075
Coskata, Inc.	\$0		\$85,062	\$8,372
C-P Converters, Inc.	\$0 \$0		\$28,623	\$28,623
Crayola, LLC	\$0 \$0		\$20,023 \$1,509	\$20,023 \$1,509
Crescent Industries, Inc.	\$0		\$34,581	\$34,581
Croda, Inc.	\$0		\$3,532	\$3,532
Crown Cork & Seal USA, Inc.	\$0 \$0		\$27,147	\$27,147
CTR Holdings, Inc.	50	\$0	\$5,080	\$5,080

2013 Credit

Utilized<sup>1</sup>

2013 Credit Awarded

Taxpayer Name

Tappager Name         Distance         Utilized 1         Credit Ausried         Credit Utilized 1           Custom Isotopes, LLC (fMa IsoSciences, LLC)         \$0         \$0         \$13,814         \$11,842           D E Machining, Ltd.         \$0         \$0         \$13,814         \$11,842           D E Machining, Ltd.         \$0         \$0         \$22,385         \$50           Derif, Inc.         \$0         \$0         \$22,385         \$52           Derich, Inc.         \$0         \$0         \$24,385         \$52,385           Dontech, Inc.         \$0         \$0         \$3,365         \$3,855           Dontech, Inc.         \$0         \$0         \$3,365         \$3,855           Dantech, Inc.         \$0         \$0         \$7,783         \$37,7183           Dontech, Inc.         \$0         \$0         \$7,783         \$3,7133           Dontech, Inc.         \$0         \$0         \$7,783         \$3,851           Duguesne Brewing Company, Inc.         \$0         \$0         \$14,104         \$3,242           DynaVox Systems, LLC         \$0         \$0         \$3,784         \$13,300           Eastern Manufacturung, Inc.         \$0         \$0         \$3,784         \$13,300					
Interpretation         Sociences, LLC (fk/a IsoSciences, LLC)         So			2013 Credit		2012 & 2011
IsoSciences, LLC)         S0         S0         S60.392         S60.392           OWE, Inc.         S0         S0         S13.814         S11.842         D E Machining, Ltd.         S0         S0         S13.814         S11.842           D Erd Container Corporation of PA         S0         S0         S13.865         S23.81         S0           Dericen, Inc.         S0         S0         S2.381         S13.855         S13.855           Donacon, Inc.         S0         S0         S7.258         S17.855         S13.855           Dopaco, Inc.         S0         S0         S7.258         S17.855         S13.855           Duguesne Brewing Company, Inc.         S0         S0         S17.458         S13.000         S14.30.000           Eagle Brass Company         S0         S0         S11.404         S13.4000         S13.03.000         S13.03.000         S13.03.000         S13.03.000         S13.03.000         S13.03.000         S14.02.000         S14.02.0000         S14.02.000         S14.02.000	Taxpayer Name	Awarded	Utilized '	Credit Awarded	Credit Utilized '
CWE, Inc.         \$0         \$0         \$13,814         \$11,842           Der Machining, Ltd.         \$0         \$0         \$52,255         \$80           Dart Container Corporation of PA         \$0         \$0         \$51,953         \$80           Deroft, Inc.         \$0         \$0         \$21,3665         \$213,665           Derlat Designs, Inc.         \$0         \$0         \$22,381         \$22,381           Derlech, Inc.         \$0         \$0         \$3,855         \$3,855           Dontech, Inc.         \$0         \$0         \$1,7133         \$7,163           Double H Plastics, Inc.         \$0         \$0         \$1,434         \$5,148           Dyco, Inc.         \$0         \$0         \$24,362         \$1,30000           Eagle Brass Company, Inc.         \$0         \$0         \$24,452,290         \$130,000           Eagle Brass Company         \$0         \$0         \$24,452,90         \$130,000           Eastern Manufacturing, Inc.         \$0         \$0         \$24,452,90         \$13,300           Eastern Manufacturing, Inc.         \$0         \$0         \$3,910         \$3,910           Eastern Manufacturing, Inc.         \$0         \$0         \$3,784         \$3,784	Custom Isotopes, LLC ( f/k/a				
D E Machining, Ltd.         \$0         \$0         \$13,255         \$10           Dart Container Corporation of PA         \$0         \$0         \$13,655         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$213,665         \$23,815         \$23,815         \$23,815         \$23,815         \$23,815         \$23,815         \$23,815         \$23,815         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$24,952         \$52,305         \$53,315         \$50         \$52,345         \$53,416         \$50,950         \$52,345         \$54,414         \$51,44         \$53,416         \$50,950         \$52,452,930         \$513,000         \$51,418,455,148         \$50,950         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910         \$53,910				\$60,392	\$60,392
Dart Container Corporation of PA         \$0         \$0         \$11,953         \$10           Deroft, Inc.         \$0         \$50         \$21,365         \$21,365           Denta Designs, Inc.         \$0         \$50         \$52,381         \$23,815           Die-Tech, Inc.         \$0         \$0         \$52,385         \$53,855           Dontech, Inc.         \$0         \$0         \$57,183         \$71,83           Double H Plastics, Inc.         \$0         \$0         \$77,255         \$77,33           Drager Medical Systems, Inc.         \$0         \$0         \$51,43         \$51,444         \$51,444           Dyco, Inc.         \$0         \$0         \$52,525         \$77,33         \$10,000           Eagle Brass Company, Inc.         \$0         \$0         \$24,280         \$13,000           Eagle Brass Company         \$0         \$0         \$24,280         \$13,000           Eagle Acbotics, Inc.         \$0         \$0         \$24,345         \$23,374         \$3,740           Eator Mandacturing, Inc.         \$0         \$0         \$23,45         \$23,374         \$3,744           Eator Mark Studios, Ltd.         \$0         \$0         \$23,45         \$23,45         \$23,45         \$23,45					
Derote, Inc.         \$0         \$0         \$213,665         \$213,665         \$23,381         \$23,381           Die-Tech, Inc.         \$0         \$0         \$52,381         \$23,381           Die-Tech, Inc.         \$0         \$0         \$57,435         \$53,855           Dontech, Inc.         \$0         \$0         \$77,183         \$77,183           Double H Plastics, Inc.         \$0         \$0         \$77,183         \$77,855           Drageger Medical Systems, Inc.         \$0         \$0         \$51,144         \$53,424           Dyco, Inc.         \$0         \$0         \$52,452         \$66,052           Eagle Brass Company, Inc.         \$0         \$0         \$51,444         \$53,424           DynaVox Systems, LLC         \$0         \$0         \$54,448         \$66,448           DynaVox Systems, LLC         \$0         \$0         \$54,540         \$130,000           Eagle Brass Company         \$0         \$0         \$54,640         \$119,330         \$119,330           Eagle Robotics, Inc.         \$0         \$0         \$0         \$3,784         \$3,724           Eatorin Coundry, Inc.         \$0         \$0         \$13,643         \$12,225           Electronic Colims Processing, Inc					
Dential Designs, Inc.         \$0         \$0         \$2,381         \$2,381           Die-Tech, Inc.         \$0         \$0         \$2,4952         \$6,230           Dontech, Inc.         \$0         \$0         \$7,183         \$7,183           Double H Plastics, Inc.         \$0         \$0         \$7,255         \$7,763           Draeger Medical Systems, Inc.         \$0         \$0         \$1,7255         \$7,763           Druguesne Brewing Company, Inc.         \$0         \$0         \$1,1404         \$3,424           Dyco, Inc.         \$0         \$0         \$1,1404         \$5,148           DynaVox Systems, LLC         \$0         \$0         \$24,280         \$130,000           Eagle Brass Company         \$0         \$0         \$24,280         \$130,000           Easter Manufacturing, Inc.         \$0         \$0         \$19,330         \$119,330           Eaton Corporation         \$0         \$0         \$3,744         \$3,744           Edon, Inc.         \$0         \$0         \$2,345         \$2,345           Electronic Claims Processing, Inc.         \$0         \$0         \$2,345         \$2,345           Electronic Claims Processing, Inc.         \$0         \$0         \$2,345         \$2					
Die-Tech, Inc.         \$0         \$24,952         \$6,230           Dontech, Inc.         \$0         \$3,865         \$3,865           Dopaco, Inc.         \$0         \$0         \$7,183         \$7,183           Double H Plastics, Inc.         \$0         \$0         \$7,285         \$763           Drager Medical Systems, Inc.         \$0         \$0         \$42,388         \$17,404         \$3,347           Dyco, Inc.         \$0         \$0         \$11,404         \$3,347         \$3,910         \$3,910           Dyco, Inc.         \$0         \$0         \$6,148         \$6,148         \$6,148         \$6,148         \$6,148         \$6,148         \$6,148         \$6,148         \$6,148         \$6,622         \$13,000         \$6,53,970         \$3,974         \$3,475         \$4,23,98 <td></td> <td></td> <td></td> <td></td> <td></td>					
Dontech, Inc.         50         \$0         \$3,855         \$3,3855           Dopaco, Inc.         \$0         \$0         \$7,183         \$7,183           Double H Plastics, Inc.         \$0         \$0         \$42,388         \$17,950           Drager Medical Systems, Inc.         \$0         \$0         \$41,404         \$3,424           Dyco, Inc.         \$0         \$0         \$51,404         \$5,424           DynaVox Systems, LLC         \$0         \$0         \$245,290         \$130,000           Eastern Manufacturing, Inc.         \$0         \$0         \$245,290         \$130,000           Eastern Manufacturing, Inc.         \$0         \$0         \$3,784         \$3,784           Eastern Manufacturing, Inc.         \$0         \$0         \$3,859         \$8,823           Edion, Inc.         \$0         \$0         \$3,784         \$3,784           Eidon, Inc.         \$0         \$0         \$8,859         \$8,823           Electric ONI Studios, Ltd.         \$0         \$0         \$8,656         \$8666           Elito Sportswear, LtP         \$0         \$0         \$6,622         \$0         \$6,622         \$0           Elito Sportswear, LtP         \$0         \$0         \$6,622					
Dopaco, Inc.         \$0         \$0         \$7,133         \$7,133           Double H Plastics, Inc.         \$0         \$0         \$7,255         \$763           Draeger Medical Systems, Inc.         \$0         \$0         \$1,444         \$3,342           Dyco, Inc.         \$0         \$0         \$1,444         \$3,342           Dynavox Systems, LLC         \$0         \$0         \$245,290         \$130,000           Easter Brass Company         \$0         \$0         \$3,910         \$3,910           Eastern Manufacturing, Inc.         \$0         \$0         \$3,910         \$3,9310           Eastern Corporation         \$0         \$0         \$8455         \$644           Edion, Inc.         \$0         \$0         \$8,859         \$8,223           Electric Ovil Studios, Ltd.         \$0         \$0         \$13,634         \$1,225           Elite Sportswear, LLP         \$0         \$0         \$24,345         \$22,345           Elucian Suport, Inc. (#Ka Sungard         \$0         \$13,626         \$0           Elucian Suport, Inc., (#Ka Sungard         \$0         \$0         \$13,626         \$0           Elucian Suport, Inc., (#Ka Sungard         \$0         \$0         \$42,258         \$42,258					
Double H Plastics, Inc.         \$0         \$7.255         \$753           Drager Medical Systems, Inc.         \$0         \$0         \$42.368         \$17.960           Duquesne Brewing Company, Inc.         \$0         \$0         \$0         \$61.404         \$3.424           Dyco, Inc.         \$0         \$0         \$61.48         \$66.148         \$66.148           Dyalvox Systems, LLC         \$0         \$0         \$245.290         \$130.000           Eastern Manufacturing, Inc.         \$0         \$0         \$119.330         \$119.330           Edge Robotics, Inc.         \$0         \$0         \$2,3784         \$3.764           Edion, Inc.         \$0         \$0         \$2,345         \$2,2345           Electric Out Studios, Ltd.         \$0         \$0         \$13.343         \$11,223           Electroic Claims Processing, Inc.         \$0         \$0         \$2,345         \$2,2345           Elite Sportswear, LLP         \$0         \$0         \$66.622         \$0           Elito Company         \$0         \$0         \$13.626         \$00           Elito Sportswear, LLP         \$0         \$0         \$13.626         \$00           Elito Sportswear, LLP         \$0         \$0         \$13.					
Drager Medical Systems, Inc.         \$0         \$0         \$42,368         \$17,960           Duquesne Brewing Company, Inc.         \$0         \$0         \$11,404         \$3,424           Dyco, Inc.         \$0         \$0         \$245,290         \$130,000           Eagle Brass Company         \$0         \$0         \$245,290         \$130,000           Eastern Manufacturing, Inc.         \$0         \$0         \$3,910         \$3,910           Eastern Manufacturing, Inc.         \$0         \$0         \$119,330         \$119,330           Eastern Corporation         \$0         \$0         \$855         \$641           Edon Corporation, Inc.         \$0         \$0         \$3,784         \$3,784           Edon Corporation, Inc.         \$0         \$0         \$2,345         \$2,345           Electronic Claims Processing, Inc.         \$0         \$0         \$2,747         \$40,587           Elliott Company         \$0         \$0         \$62,747         \$40,587           Elliott Company, Inc. (I/k/a Sungard         \$0         \$62,477         \$40,587           Elliott Company         \$0         \$0         \$54,222         \$40           Storegravian         \$0         \$0         \$54,222         \$40,5					
Duquesne Brewing Company, Inc.         \$0         \$14,04         \$3,424           Dyco, Inc.         \$0         \$0         \$6,148         \$6,148         \$6,148         \$6,148         \$5,100           DynaVox Systems, LLC         \$0         \$0         \$245,290         \$130,000         \$3,916         \$3,916         \$3,916         \$3,916         \$3,916         \$3,916         \$3,910         \$3,916         \$3,910         \$3,957         \$3,957         \$3,957					
Dyco, Inc.         \$0         \$0         \$6,148         \$6,148           DynaVox Systems, LLC         \$0         \$0         \$245,290         \$130,000           Eagle Brass Company         \$0         \$0         \$3,910         \$3,910           Eastern Manufacturing, Inc.         \$0         \$0         \$19,330         \$119,330           Edge Robotics, Inc.         \$0         \$0         \$855         \$641           Edlon, Inc.         \$0         \$0         \$855         \$641           Edlon, Inc.         \$0         \$0         \$8,859         \$8,233           Electric Cowl Studios, Ltd.         \$0         \$0         \$13,634         \$12,2345           Electronic Claims Processing, Inc.         \$0         \$0         \$13,634         \$12,2345           Elucian Support, Inc. (Ifk/a Sungard					
Dynavox Systems, LLC         \$0         \$1245,290         \$130,000           Eagle Brass Company         \$0         \$0         \$3,910         \$3,910           Eastern Manufacturing, Inc.         \$0         \$0         \$119,330         \$119,330         \$119,330           Edge Robotics, Inc.         \$0         \$0         \$0         \$3,784         \$3,784           Effort Foundry, Inc.         \$0         \$0         \$3,784         \$3,784         \$2,245         \$2,26         \$2,00         \$2,245         \$2,00         \$2,245         \$2,056         \$2,566         \$2,566         \$2,566         \$2,566         \$2,566         \$2,566         \$2,566         \$2,566 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Eagle Brass Company         \$0         \$0         \$3,910         \$3,910           Eastern Manufacturing, Inc.         \$0         \$0         \$0         \$8,060         \$6,062           Eaton Corporation         \$0         \$0         \$119,330         \$119,330         \$119,330           Edge Robotics, Inc.         \$0         \$0         \$3,784         \$3,784           Effort Foundry, Inc.         \$0         \$0         \$3,784         \$3,784           Electronic Claims Processing, Inc.         \$0         \$0         \$13,634         \$1,225           Elites Sportswear, LLP         \$0         \$0         \$62,747         \$40,587           Elitoct Compary         \$0         \$0         \$62,747         \$40,587           Elitoct Compary         \$0         \$0         \$62,747         \$40,587           Elitoct Compary         \$0         \$0         \$62,822         \$0           Edmotion Kayaks, Inc.         \$0         \$0         \$13,626         \$0           Emergy Technologies         \$0         \$0         \$42,298         \$42,298           Earry Technologies         \$0         \$0         \$44,298         \$42,298           Earry Technologies anc.         \$0         \$0         \$					
Eastern Manufacturing, Inc.         \$0         \$0         \$19,030         \$119,330           Eaton Corporation         \$0         \$0         \$19,330         \$119,330           Edge Robotics, Inc.         \$0         \$0         \$855         \$641           Edlon, Inc.         \$0         \$0         \$3,784         \$3,784           Effort Foundry, Inc.         \$0         \$0         \$13,634         \$12,235           Electric Owl Studios, Ltd.         \$0         \$0         \$13,634         \$12,235           Electric Owl Studios, Ltd.         \$0         \$0         \$66,66         \$666           Ellies Sportswear, LLP         \$0         \$0         \$66,22         \$0           Ellies Sportswear, LLP         \$0         \$0         \$66,822         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$6,822         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$54,222         \$54,222           Engry Technologies         \$0         \$0         \$58,709         \$88,709           Equiptions, Inc.         \$0         \$0         \$33,754         \$33,754           Equiptions, Inc.         \$0         \$0         \$33,754         \$33,754					
Eaton Corporation         \$0         \$0         \$119,330 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Edge Robotics, Inc.         \$0         \$0         \$855         \$641           Edlon, Inc.         \$0         \$0         \$3,784         \$3,784           Effort Foundry, Inc.         \$0         \$0         \$8,859         \$8,223           Electroic Owl Studios, Ltd.         \$0         \$0         \$2,345         \$2,345           Electronic Claims Processing, Inc.         \$0         \$0         \$13,634         \$1,225           Elite Sportswear, LLP         \$0         \$0         \$662,747         \$40,857           Elliotal Company         \$0         \$0         \$62,747         \$40,857           Filucian Support, Inc. (f/k/a Sungard         \$0         \$0         \$62,22         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$10,223         \$101,223           Emphasys Technologies         \$0         \$0         \$10,233         \$101,223           Engy Technology Partnership, LLC         \$0         \$0         \$21,30         \$3,967           Eque Forduction Company         \$0         \$0         \$37,754         \$3,754           Eque Forduction Company         \$0         \$0         \$37,754         \$37,754           Eto tera Edutainment, Inc.         \$0         \$0         \$37					
Edion, Inc.         \$0         \$0         \$3,784         \$3,784           Effort Foundry, Inc.         \$0         \$0         \$8,859         \$8,223           Electric Owl Studios, Ltd.         \$0         \$0         \$2,345         \$2,345           Electronic Claims Processing, Inc.         \$0         \$0         \$13,634         \$1,223           Elite Sportswear, LLP         \$0         \$0         \$62,747         \$40,587           Elluctan Support, Inc. (f/k/a Sungard         \$0         \$0         \$62,747         \$40,587           Elluctan Support, Inc. (f/k/a Sungard         \$0         \$0         \$61,822         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$13,626         \$0           Emoty Technology Partnership, LLC         \$0         \$0         \$42,598         \$42,598           EQT Corporation         \$0         \$0         \$44,701         \$0         \$0         \$44,701           Erie Custom Computer Applications         \$0         \$0         \$44,701         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$44,754         \$47,514           Ethotera Edutainment, Inc.         \$0         \$0         \$44,754         \$47,514           Eth					
Electric Owl Studios, Ltd.         \$0         \$0         \$2,345         \$2,345           Electronic Claims Processing, Inc.         \$0         \$0         \$13,634         \$1,225           Elite Sportswear, LLP         \$0         \$0         \$656         \$656           Elliott Company         \$0         \$0         \$652,747         \$40,587           Ellucian Support, Inc. (I/k/a Sungard         *         *         *           Higher Education, Inc.)         \$0         \$0         \$6,822         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$13,626         \$0           Emphasys Technologies         \$0         \$0         \$142,598         \$42,223           Energy Technologies         \$0         \$0         \$58,709         \$58,709           EQT Production Company         \$0         \$0         \$58,709         \$58,709           Equipois, Inc.         \$0         \$0         \$47,514         \$3,754         \$3,754           Etcetera Edutainment, Inc.         \$0         \$0         \$47,514         \$47,514         \$47,514           Etabers Actional, Inc.         \$0         \$0         \$54,229         \$54,229         \$54,229           Evaluational, Inc.         \$0		\$0	\$0	\$3,784	\$3,784
Electronic Claims Processing, Inc.         \$0         \$0         \$13,634         \$1,225           Elite Sportswear, LLP         \$0         \$0         \$6566         \$6566           Elliott Company         \$0         \$0         \$62,747         \$40,587           Ellucian Support, Inc. (flk/a Sungard         \$0         \$0         \$6,822         \$0           EMC Corporation         \$0         \$0         \$13,626         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$13,626         \$0           Emption Kayaks, Inc.         \$0         \$0         \$13,626         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$11,223         \$101,223         \$101,223           Emptigree Technologies         \$0         \$0         \$42,598         \$42,598         \$42,598           EQT Gathering, Inc.         \$0         \$0         \$54,222         \$54,222         \$54,223         \$54,714         \$14,7514           Eric Custom Computer Applications         \$0         \$0         \$47,514         \$47,514         \$47,514           EthosGen, LLC         \$0         \$0         \$24,247         \$21,44         \$22         \$24,247         \$24,247         \$24,247         \$24,247         \$2		\$0	\$0		\$8,223
Elite Sportswear, LLP         \$0         \$0         \$656         \$656           Elliott Company         \$0         \$0         \$62,747         \$40,587           Ellucian Support, Inc. (#/k/a Sungard         *0         \$0         \$6,822         \$0           Higher Education, Inc.)         \$0         \$0         \$13,626         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$11,223         \$\$101,223           Emphasys Technologies         \$0         \$0         \$\$42,598         \$42,598           EQT Gathering, Inc.         \$0         \$0         \$9,230         \$3,967           EQT Gathering, Inc.         \$0         \$0         \$47,514         \$44,701           Eric Custom Computer Applications         \$0         \$0         \$47,514         \$44,751           Ethoseen, LLC         \$0         \$0         \$44,751         \$47,514           Ethosen, LLC         \$0         \$0         \$24,247         \$10,234           Expansym Technologies, Inc.         \$0         \$0         \$24,247         \$10,234           Expansym Technologies, Inc.         \$0         \$0         \$24,247         \$10,234           Expansym Technologies, Inc.         \$0         \$0         \$21,474			\$0		
Elliott Company         \$0         \$0         \$6         \$62,747         \$40,587           Ellucian Support, Inc. (f/k/a Sungard         \$0         \$0         \$6,822         \$0           Higher Education, Inc.)         \$0         \$0         \$13,626         \$0           EMC Corporation         \$0         \$0         \$13,626         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$11,223         \$101,223           Emphasys Technologies         \$0         \$0         \$42,598         \$42,598           EQT Gathering, Inc.         \$0         \$0         \$58,709         \$58,709         \$58,709           EQT Forduction Company         \$0         \$0         \$0         \$46,730         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$47,514         \$47,514           Ethos Gen, LLC         \$0         \$0         \$54,229         \$54,229           Evaleart Medical USA, Inc.         \$0         \$0         \$54,229         \$54,229           Evaleart Medical USA, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor C					
Ellucian Support, Inc. (f/k/a Sungard         \$0         \$0         \$6,822         \$0           Higher Education, Inc.)         \$0         \$0         \$13,626         \$0           Emotion Kayaks, Inc.         \$0         \$0         \$101,223         \$101,223           Emphasys Technologies         \$0         \$0         \$54,222         \$54,222           Energy Technology Partnership, LLC         \$0         \$0         \$9,230         \$3,3967           EQT Gathering, Inc.         \$0         \$0         \$9,230         \$3,3967           EQT Gathering, Inc.         \$0         \$0         \$9,230         \$3,3967           Equipois, Inc.         \$0         \$0         \$46,730         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$47,514         \$47,514           Etcetera Edutainment, Inc.         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$17,977         \$6,655           Extol International, Inc.         \$0         \$0         \$27,375         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0					
Higher Education, Inc.)       \$0       \$0       \$0       \$0       \$0       \$0       \$13,626       \$0         Emotion Kayaks, Inc.       \$0       \$0       \$101,223       \$101,233       \$101,233       \$101,233       \$101,233       \$101,233       \$101,233       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$101,303       \$21,078       \$8,758       \$8,758       \$8,758       \$8,758       \$8,758       \$8,758       \$101,043       \$9,270       \$8,758       \$8,758       \$101,043       \$9,		\$0	\$0	\$62,747	\$40,587
EMC Corporation         \$0         \$0         \$13,626         \$0           Emption Kayaks, Inc.         \$0         \$0         \$101,223         \$101,223         \$101,223           Emptays Technologies         \$0         \$0         \$54,222         \$54,222         \$54,222           Energy Technology Partnership, LLC         \$0         \$0         \$0         \$42,598         \$42,598           EQT Gathering, Inc.         \$0         \$0         \$0         \$58,709         \$58,709           EQT Froduction Company         \$0         \$0         \$0         \$46,730         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$47,514         \$47,514         \$47,514           Etotera Edutainment, Inc.         \$0         \$0         \$54,229         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$27,144         \$22           F&P Holding Co., Inc.         \$0         \$0         \$27,177         \$6,655           Extol International, Inc.         \$0         \$0         \$21,078         \$8,758           Fairchild Semiconductor Corporation         \$0					
Emotion Kayaks, Inc.         \$0         \$0         \$101,223         \$101,223           Emphasys Technologies         \$0         \$0         \$54,222         \$54,222           Energy Technology Partnership, LLC         \$0         \$0         \$0         \$42,598         \$44,598           EQT Gathering, Inc.         \$0         \$0         \$0         \$9,230         \$3,967           EQT Forduction Company         \$0         \$0         \$0         \$46,730         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$47,514         \$47,514           Etcetera Edutainment, Inc.         \$0         \$0         \$47,514         \$47,514           Expansyn Technologies, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$21,44         \$22           F&P Holding Co., Inc.         \$0         \$0         \$21,44         \$22           Fabr Halding Co., Inc.         \$0         \$0         \$21,44         \$22           Fabr Holding Co., Inc.         \$0         \$0         \$101,043         \$9,758           Fairchild Semiconductor Corporation         \$0         \$0         \$10,31         \$0           Feir				,	
Emphasys Technologies         \$0         \$0         \$54,222         \$54,222           Energy Technology Partnership, LLC         \$0         \$0         \$9,230         \$3,967           EQT Gathering, Inc.         \$0         \$0         \$58,709         \$58,709           EQT Production Company         \$0         \$0         \$58,709         \$258,709           Equipois, Inc.         \$0         \$0         \$33,754         \$3,754           Etcetera Edutainment, Inc.         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$17,977         \$6,655           Extol International, Inc.         \$0         \$0         \$21,474         \$22           F&P Holding Co., Inc.         \$0         \$0         \$21,078         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$103,198         \$15,311           FOI USA, LLC         \$0         \$0         \$13,198         \$15,311           FileHolding Company, Inc.         \$0         \$0					
Energy Technology Partnership, LLC         \$0         \$0         \$42,598         \$42,598           EQT Gathering, Inc.         \$0         \$0         \$9,230         \$3,967           EQT Production Company         \$0         \$0         \$58,709         \$58,709         \$58,709           Equipois, Inc.         \$0         \$0         \$46,730         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$44,754         \$3,754         \$3,754           Etcetera Edutainment, Inc.         \$0         \$0         \$0         \$47,574         \$47,514         \$47,514           EtosGen, LLC         \$0         \$0         \$24,247         \$10,234         \$229         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$0         \$21,427         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$0         \$21,078         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$0         \$21,078         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$11,013         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$11,631         \$0					
EQT Gathering, Inc.         \$0         \$0         \$9,230         \$3,967           EQT Production Company         \$0         \$0         \$58,709         \$\$58,709         \$\$64,730         \$\$44,101           Erie Custom Computer Applications         \$0         \$0         \$46,730         \$\$44,101           Erie Custom Computer Applications         \$0         \$0         \$\$47,514         \$\$47,514         \$\$47,514           Etcetera Edutainment, Inc.         \$0         \$0         \$\$24,229         \$\$54,229         \$\$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$\$0         \$\$17,977         \$\$6,655           Extol International, Inc.         \$0         \$0         \$\$17,977         \$\$6,655           Extol International, Inc.         \$0         \$0         \$\$27,375         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$\$101,043         \$9,270           Fairchild Semiconductor Corporation         \$0         \$0         \$\$16,31         \$0           FCI USA, LLC         \$0         \$0         \$\$14,631         \$0           Fiber-Line Holding Company, Inc.         \$0         \$0         \$\$24,977         \$\$24,877           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)					
EQT Production Company         \$0         \$0         \$58,709         \$58,709           Equipois, Inc.         \$0         \$0         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$3,754         \$3,754           Etcetera Edutainment, Inc.         \$0         \$0         \$47,514         \$47,514           Etcotera Edutainment, Inc.         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$24,247         \$10,234           Extol International, Inc.         \$0         \$0         \$21,144         \$225           F&P Holding Co., Inc.         \$0         \$0         \$22,144         \$225           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairehild Semiconductor Corporation         \$0         \$0         \$133,198         \$15,311           FIM Holding Company, Inc.         \$0         \$0         \$133,198         \$15,311           Fibler-Line Holding Company (t/k/a Fiber-Line, Inc.) <t< td=""><td>Energy Technology Partnership, LLC</td><td></td><td></td><td></td><td></td></t<>	Energy Technology Partnership, LLC				
Equipois, Inc.         \$0         \$0         \$46,730         \$44,101           Erie Custom Computer Applications         \$0         \$0         \$3,754         \$3,754           Etcetera Edutainment, Inc.         \$0         \$0         \$47,514         \$47,514           EthosGen, LLC         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$21,078         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairrount Automation, Inc.         \$0         \$0         \$11,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$11,043         \$9,270           Fiber-Line Holding Company, Inc.         \$0         \$0         \$13,198         \$15,311           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc. <td></td> <td></td> <td></td> <td></td> <td></td>					
Erie Custom Computer Applications         \$0         \$0         \$0         \$3,754         \$3,754           Etcetera Edutainment, Inc.         \$0         \$0         \$0         \$47,514         \$47,514           EtcosGen, LLC         \$0         \$0         \$54,229         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$21,477         \$6,655           Extol International, Inc.         \$0         \$0         \$27,375         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$11,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$11,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$16,31         \$0           FCI USA, LLC         \$0         \$0         \$13,3198         \$15,311           FMH Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$49,273         \$21,157           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,5					
Etcetera Edutainment, Inc.         \$0         \$0         \$47,514         \$47,514           EthosGen, LLC         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$21,144         \$225           Fabri-Kal Corporation Inc.         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$113,198         \$15,311           FHM Holding Company, Inc.         \$0         \$0         \$133,198         \$15,311           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$240,877         \$240,877           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Flight Simulation         \$0         \$0         \$17,077         \$7,077           Foar Rivers Soft					
EthosGen, LLC         \$0         \$0         \$54,229         \$54,229           Evaheart Medical USA, Inc.         \$0         \$0         \$22,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$17,977         \$6,655           Extol International, Inc.         \$0         \$0         \$2,144         \$22           F&P Holding Co., Inc.         \$0         \$0         \$22,144         \$22           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Faircount Automation, Inc.         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$11,631         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$15,311           FHM Holding Company, Inc.         \$0         \$0         \$133,198         \$15,311           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$1,501         \$1,501           Fidelity Flight Simulation         \$0         \$0<					
Evaheart Medical USA, Inc.         \$0         \$0         \$24,247         \$10,234           Expansyn Technologies, Inc.         \$0         \$0         \$17,977         \$6,655           Extol International, Inc.         \$0         \$0         \$2,144         \$22           F&P Holding Co., Inc.         \$0         \$0         \$27,375         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$1,631         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$15,311           FHM Holding Company, Inc.         \$0         \$0         \$133,198         \$15,311           Fiber-Line Holding Company (f/k/a Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Flight Simulation         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$1,501         \$1,501           Four Rivers					
Expansyn Technologies, Inc.         \$0         \$0         \$17,977         \$6,655           Extol International, Inc.         \$0         \$0         \$2,144         \$22           F&P Holding Co., Inc.         \$0         \$0         \$27,375         \$8,758           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$11,631         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$15,311           Fiber-Line Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line, Inc.)         \$0         \$0         \$133,198         \$15,311           Fidelity Flight Simulation         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$17,077         \$7,077           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223         \$18,223           Four Rivers Software Systems, Inc					
Extol International, Inc.         \$0         \$0         \$2,144         \$22           F&P Holding Co., Inc.         \$0         \$0         \$68,985         \$21,078           Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$110,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$116,611         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$115,311           FHM Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$49,273         \$21,157           Fidelity Flight Simulation         \$0         \$0         \$49,273         \$21,157           Fidelity Information Services, Inc.         \$0         \$0         \$1,501         \$1,501           Finish Thompson, Inc.         \$0         \$0         \$7,077         \$7,077           Four Rivers Software Systems, Inc.         \$0         \$0         \$14,223         \$18,223           Fox Chase Chemical Diversi					
F&P Holding Co., Inc.         \$0         \$0         \$68,985         \$21,078           Fabri-Kal Corporation         \$0         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairchild Semiconductor Corporation         \$0         \$0         \$116,31         \$0           Fairchild Semiconductor Corporation, Inc.         \$0         \$0         \$116,31         \$0           FAIR Holding Company, Inc.         \$0         \$0         \$1133,198         \$15,311           FIM Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$1,677         \$7,077           Finish Thompson, Inc.         \$0         \$0         \$18,223         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,6					
Fabri-Kal Corporation         \$0         \$0         \$27,375         \$8,758           Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$116,31         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$15,311           FHM Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$240,877         \$240,877           Fidelity Information Services, Inc.         \$0         \$0         \$17,077         \$7,077           Finish Thompson, Inc.         \$0         \$0         \$18,223         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$11,582         \$11,582					
Fairchild Semiconductor Corporation         \$0         \$0         \$101,043         \$9,270           Fairmount Automation, Inc.         \$0         \$0         \$1,631         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$15,311           FHM Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$0         \$1,582         \$1,582					
Fairmount Automation, Inc.         \$0         \$0         \$1,631         \$0           FCI USA, LLC         \$0         \$0         \$133,198         \$15,311           FHM Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line Holding Company (f/k/a Fiber-Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$15,182           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$0         \$1,582         \$1,582					
FCI USA, LLC       \$0       \$0       \$133,198       \$15,311         FHM Holding Company, Inc.       \$0       \$0       \$49,273       \$21,157         Fiber-Line Holding Company (f/k/a Fiber- Line, Inc.)       \$0       \$0       \$26,979       \$5,668         Fidelity Flight Simulation       \$0       \$0       \$11,501       \$1,501         Fidelity Information Services, Inc.       \$0       \$0       \$240,877       \$240,877         Finish Thompson, Inc.       \$0       \$0       \$18,223       \$18,223         Four Rivers Software Systems, Inc.       \$0       \$0       \$19,471       \$5,451         Fox Chase Chemical Diversity Center       \$0       \$0       \$17,645       \$0         Fraser Volpe, LLC       \$0       \$0       \$15,182       \$15,182         Frontier North, Inc.       \$0       \$0       \$15,182       \$15,182         Fry Communications, Inc.       \$0       \$0       \$1,582       \$1,582         Future POS, Inc. (f/k/a Cutting Edge       \$0       \$1,582       \$1,582					
FHM Holding Company, Inc.         \$0         \$0         \$49,273         \$21,157           Fiber-Line Holding Company (f/k/a Fiber- Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$1,501         \$1,501           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$15,182           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$0         \$1,582         \$1,582					
Fiber-Line Holding Company (f/k/a Fiber- Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$7,077         \$7,077           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$15,182           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$0         \$1,582         \$1,582					
Line, Inc.)         \$0         \$0         \$26,979         \$5,668           Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$7,077         \$7,077           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$15,182           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$0         \$0         \$1,582         \$1,582					
Fidelity Flight Simulation         \$0         \$0         \$1,501         \$1,501           Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$7,077         \$7,077           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$1,582           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$15,182         \$1,582         \$1,582		\$0	\$0	\$26.979	\$5.668
Fidelity Information Services, Inc.         \$0         \$0         \$240,877         \$240,877           Finish Thompson, Inc.         \$0         \$0         \$7,077         \$7,077           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$1,582           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge         \$15,182         \$1,582         \$1,582					
Finish Thompson, Inc.         \$0         \$0         \$7,077         \$7,077           Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$18,223           Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$1,582         \$15,182           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge          \$1,582         \$1,582					
Foam Fair Industries, Inc.         \$0         \$0         \$18,223         \$5451					
Four Rivers Software Systems, Inc.         \$0         \$0         \$19,471         \$5,451           Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$5,497         \$0           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge          \$1,582         \$1,582					
Fox Chase Chemical Diversity Center         \$0         \$0         \$17,645         \$0           Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$5,497         \$0           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge					
Fraser Volpe, LLC         \$0         \$0         \$15,182         \$15,182           Frontier North, Inc.         \$0         \$0         \$5,497         \$0           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge					
Frontier North, Inc.         \$0         \$0         \$5,497         \$0           Fry Communications, Inc.         \$0         \$0         \$1,582         \$1,582           Future POS, Inc. (f/k/a Cutting Edge           \$1,582         \$1,582					
Fry Communications, Inc.       \$0       \$1,582       \$1,582         Future POS, Inc. (f/k/a Cutting Edge					
Future POS, Inc. (f/k/a Cutting Edge					
	Future POS, Inc. (f/k/a Cutting Edge				
	Solutions, Inc.)	\$0	\$0	\$112,565	\$112,565

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
Galleon Pharmaceuticals, Inc.	\$0	\$0	\$88,281	\$0
GapVax, Inc.	\$0	\$0	\$7,700	\$2,919
Garnet BioTherapeutics, Inc.	\$0	\$0	\$106,414	\$0
Gateway Ticketing Systems, Inc.	\$0	\$0	\$94,699	\$42,285
GE Energy Power Conversation Naval				
Systems, Inc. (f/k/a Converteam Naval				
Systems, Inc.)	\$0	\$0	\$32,297	\$145
GE Energy Power Conversion USA, Inc.				
(f/k/a Converteam, Inc.)	\$0	\$0	\$47,326	\$47,326
Genco 1, Inc.	\$0	\$0	\$12,492	
General Dynamics C4 Systems, Inc.	\$0	\$0	\$35,584	\$35,584
General Dynamics Satcom Technologies,			•	
Inc.	\$0	\$0	\$85,994	\$85,994
General Instrument Corporation	\$0	\$0	\$252,267	\$0
General Machine Products Co., Inc.	\$0	\$0	\$3,406	
Gentex Corporation	\$0	\$0	\$41,591	\$41,591
Gichner Systems Group, Inc.	\$0	\$0	\$34,199	
Global Seating Systems, LLC	\$0	\$0	\$39,599	\$339
Oraham Baaking Haldings Company LLD	¢o	¢o	¢407.075	¢57.000
Graham Packing Holdings Company, LLP	\$0	\$0	\$137,675	
Grant Street Group, Inc.	\$0 \$0	\$0	\$23,440	
Graybill Machines, Inc.		\$0 \$0	\$49,768	
Graymont (PA), Inc. Greene, Tweed & Co., Inc.	\$0 \$0	\$0 \$0	\$18,972 \$77,016	
Griffith Brothers Whitetail Ridge, Inc.	\$0 \$0	\$0 \$0	\$11,517	\$11,517
GSI Commerce Solutions, Inc.	\$0 \$0	\$0 \$0	\$193,051	\$193,051
Harry Miller Corporation	\$0 \$0	\$0 \$0	\$22,827	\$1,000
HCCKPM, LLC	\$0 \$0	\$0 \$0	\$84	\$0
Healthcare Lighting, Inc.	\$0	\$0	\$3,781	\$3,781
Heinz Management, LLC	\$0	\$0	\$569,582	\$0
Henry Molded Products, Inc.	\$0	\$0	\$3,801	\$3,801
Henson Company, Inc.	\$0	\$0	\$4,187	\$0
Heraeus Prec Metal Conshohocken, LLC				· · · · ·
( f/k/a Heraeus Materials Technology,				
LLC)	\$0	\$0	\$24,853	\$556
Herbert, Rowland & Grubic, Inc.	\$0	\$0	\$13,380	\$0
Holtec International Power Division, Inc.	\$0	\$0	\$355,030	\$355,030
Holtec Manufacturing Division, Inc.	\$0	\$0	\$234,422	
Honeywell International, Inc.	\$0	\$0	\$274,489	
Huntingdon County Customs, LLC	\$0	\$0	\$2,363	
Iberium Communications, Inc.	\$0	\$0	\$3,828	
Illuminex Corporation	\$0	\$0	\$33,986	\$33,986
ImageCube, LLC	\$0	\$0	\$598	
IMC Biotechnology, Inc.	\$0	\$0	\$1,254	\$1,254
Immunotope, Inc.	\$0	\$0	\$77,126	
Imperial Carbide, Inc.	\$0	\$0	\$74,891	\$455
Indigo Biosciences, Inc.	\$0	\$0	\$5,481	\$5,481
Industrial Learning Systems	\$0	\$0	\$30,871	\$29,349
Inmedius, Inc.	\$0	\$0	\$161,342	
Innovative Pressure Technologies, LLC	\$0	\$0	\$19,164	
Instrumentation Industries, Inc.	\$0	\$0	\$10,077	\$9,873
Integrated Microwave Technologies, LLC				
(f/k/a RF Extreme, LLC )	\$0	\$0	\$239	\$239
Interstate Management Resources, Inc.	\$0	\$0	\$165,248	\$0
Inventox, Inc.	\$0	\$0	\$10,988	\$0
invivodata, Inc.	\$0	\$0	\$2,698	
Iron Mountains, LLC	\$0	\$0	\$144,272	
ITT Corporation	\$0	\$0	\$3,589	
J.L. Clark, Inc.	\$0	\$0	\$205	\$0

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
J2 Medical, LP	\$0	\$0	\$8,891	\$2,168
Jarex Enterprises, LLC	\$0	\$0	\$11,312	\$11,312
JCR Sales Mfg, LLC	\$0	\$0	\$11,643	\$11,643
JIT Prototyping, LLC	\$0	\$0	\$135	\$0
Johnstown Machining and Fabrication,				
Inc.	\$0	\$0	\$2,327	\$0
Juniata Fabrics, Inc.	\$0	\$0	\$5,468	\$5,468
Just Between Friends, Inc.	\$0	\$0	\$59,969	
JWF Defense Systems, LLC	\$0	\$0	\$14,862	\$5,526
JW Kitko & Sons Wood Products, Inc.	\$0	\$0	\$235	\$0
Kalas Mfg, Inc.	\$0	\$0	\$13,414	\$145
KD Industries, Inc.	\$0	\$0	\$95,790	\$0
Kenco Corporation Kenexa Technology, Inc.	\$0 \$0	\$0 \$0	\$4,782 \$60,814	\$1,204 \$25,002
Keystone Food Products, Inc.	\$0 \$0	\$0 \$0		\$35,092 \$0
Keystone Foods, LLC	\$0 \$0	\$0 \$0	\$17,642 \$15,198	<del>ە</del> 0 \$15,198
Knopp Neurosciences, Inc.	\$0 \$0	\$0 \$0	\$110,044	\$110,044
Komax Solar, Inc.	\$0 \$0	\$0 \$0	\$99,865	
Koryak Consulting, Inc.	\$0 \$0	\$0	\$908	
Landslide Technologies, Inc.	\$0	\$0	\$12,169	\$12,169
Latrobe Specialty Metals Company (f/k/a	, , , , , , , , , , , , , , , , , , ,		÷ • <u>-</u> ,	÷:_,:30
Latrobe Specialty Metals Company (inva	\$0	\$0	\$9,569	\$5,271
LB Foster Rail Technologies, Inc. (f/k/a	ψ0	ψ0	ψ0,000	ψ0,271
Portec Rail Products, Inc.)	\$0	\$0	¢1 022	¢1 022
LeeSimpson Associates, Inc.	\$0 \$0	\$0 \$0	\$1,033 \$6,516	\$1,033 \$6,516
Lightwire, Inc. (c/o Cisco Systems, Inc.)	\$0 \$0	\$0 \$0	\$102,054	\$2,958
Lockheed Martin Corporation	\$0 \$0	\$0 \$0	\$102,034	
Lone Oak Medical Technologies, LLC	\$0 \$0	\$0	\$30,162	\$12,095
LPS Mortgage Processing Solutions, Inc.	\$0 \$0	\$0 \$0	\$18,400	\$18,400
Lucas Systems, Inc.	\$0	\$0	\$21,718	
Lutron Electronics Co., Inc.	\$0 \$0	\$0	\$714,805	
Maloney Plastics, Inc.	\$0	\$0	\$3,072	\$3,072
Maloney Tool & Mold, Inc.	\$0	\$0	\$70,731	\$70,731
MapQuest PA, Inc. (f/k/a Digital City, Inc.)	\$0	\$0	\$61,926	\$0
Matric Limited	\$0	\$0	\$6,229	\$6,229
Matrix Operations, LLC	\$0	\$0	\$14,650	\$14,650
Matson & Associates, Inc.	\$0	\$0	\$8,630	\$8,630
MBF Therapeutics, Inc.	\$0	\$0	\$14,967	\$14,967
McCormick Taylor, Inc.	\$0	\$0	\$6,341	\$6,341
McKesson Automation, Inc.	\$0	\$0	\$131,349	
Medecision, Inc.	\$0	\$0	. ,	\$7,736
Melior Pharmaceuticals I, Inc.	\$0	\$0	\$949	\$0
Merck, Sharp & Dohme Corp.	\$0	\$0	\$29,853,933	\$18,853,831
MESH, Inc.	\$0	\$0	\$21,057	\$5,668
Met-Pro Corporation	\$0	\$0	\$6,912	\$6,912
Metronome Labs, LLC	\$0	\$0	\$11,161	\$0
Minnotte Manufacturing Corporation	\$0 \$0	\$0	\$4,775	\$3,203
Multimodal Technologies, Inc.	\$0 \$0	\$0 \$0	\$54,228	\$2,264 \$8,497
NanoHorizons, Inc. NCA Technologies, Inc.	\$0 \$0	\$0 \$0	\$8,487 \$10,846	\$8,487 \$10,846
NE Foods, Inc.	\$0 \$0	\$0 \$0	\$10,846	\$4,343
Net Health Systems, Inc.	\$0	\$0	\$248,984	\$248,984
NetApp, Inc. (f/k/a Network Appliance,		<u>ـ</u> ــ	<b></b>	÷-
Inc.)	\$0	\$0	\$706,536	\$0
Neurointerventional Therapeutics, Inc.				
(dba Neurointerventions, Inc.)	\$0	\$0	\$32,057	\$0
Neutronics, Inc.	\$0	\$0	\$5,263	\$0
Neville Chemical Company	\$0	\$0	\$1,740	\$854

Taxpayor Name         Awarded         Utilized <sup>1</sup> Credit Award         Credit Utilized <sup>1</sup> News generating Instruments, Inc.         \$0         \$0         \$53,389         \$573           News generating Instruments, Inc.         \$0         \$0         \$54,383         \$42,026           Newsus Pharma, Inc.         \$0         \$0         \$51,648         \$53,649         \$51,648           Novceell Semiconductor, Inc.         \$0         \$0         \$113,216         \$56,5799           Numada Technologies, Inc.         \$0         \$0         \$13,371         \$161,044           NuTer Tooling Systems, Inc.         \$0         \$0         \$13,666         \$263,113,851           Ohm-Labs, Inc.         \$0         \$0         \$13,660         \$873,30,000           Ohm-Labs, Inc.         \$0         \$0         \$14,762         \$11,351           Orega Design Corporation         \$0         \$0         \$34,600         \$877           Orega Design Corporation         \$0         \$0         \$32,630         \$32,835           Orega Design Corporation         \$0         \$0         \$32,835         \$32,835           Orega Design Corporation         \$0         \$0         \$32,835         \$32,835           Orega Des					
Source of the second		2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Newage Testing Instruments, Inc.         \$0         \$5,643         \$5,643           NewCare Solutions, LLC         \$0         \$0         \$5,643           NewCare Solutions, LLC         \$0         \$0         \$5,163           Nexus Pharma, Inc.         \$0         \$0         \$1,164         \$5,1648           Novocell Semiconductor, Inc.         \$0         \$0         \$1,1648         \$5,1648           Numeda Technologies, Inc.         \$0         \$0         \$1,12,116         \$6,563           Nurlad Technologies, Inc.         \$0         \$0         \$1,23,11         \$1,13,11           Nurlass, Inc.         \$0         \$0         \$1,32,11         \$1,13,151         \$1,13,151           Ohm-Labs, Inc.         \$0         \$0         \$1,13,215         \$1,13,151         \$1,13,151           Omaga Plastics, LLC         \$0         \$0         \$1,7,700         \$3,0,000         \$1,7,700         \$3,0,000           Orwal Steel, Inc.         \$0         \$0         \$2,7,700         \$3,0,000         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$	Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
Newage Testing Instruments, Inc.         \$0         \$5,643         \$5,643           NewCare Solutions, LLC         \$0         \$0         \$5,643           NewCare Solutions, LLC         \$0         \$0         \$5,163           Nexus Pharma, Inc.         \$0         \$0         \$1,164         \$5,1648           Novocell Semiconductor, Inc.         \$0         \$0         \$1,1648         \$5,1648           Numeda Technologies, Inc.         \$0         \$0         \$1,12,116         \$6,563           Nurlad Technologies, Inc.         \$0         \$0         \$1,23,11         \$1,13,11           Nurlass, Inc.         \$0         \$0         \$1,32,11         \$1,13,151         \$1,13,151           Ohm-Labs, Inc.         \$0         \$0         \$1,13,215         \$1,13,151         \$1,13,151           Omaga Plastics, LLC         \$0         \$0         \$1,7,700         \$3,0,000         \$1,7,700         \$3,0,000           Orwal Steel, Inc.         \$0         \$0         \$2,7,700         \$3,0,000         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$3,0,020         \$	New Standard Corporation	\$0	\$0	\$8,389	\$573
New Care Solutions, LLC         \$0         \$0         \$58,833         \$42,026           Nitrie Biotherapeutics, Inc.         \$0         \$0         \$51,648         \$51,648           Novocell Semiconductor, Inc.         \$0         \$0         \$51,648         \$51,648           Numada Technologies, Inc.         \$0         \$0         \$113,216         \$65,799           NuFathe, Inc.         \$0         \$0         \$36,805         \$223           NuTe Tooling Systems, Inc.         \$0         \$0         \$36,805         \$223           NuTe Tooling Systems, Inc.         \$0         \$0         \$36,800         \$87,901           Omega Design Corporation         \$0         \$0         \$31,351         \$11,351           Omega Design Corporation         \$0         \$0         \$41,902         \$41,192           Onasure Technologies, Inc.         \$0         \$0         \$41,902         \$41,192           Orear Industries, Inc.         \$0         \$0         \$31,733         \$0           Orasure Technologies, Inc.         \$0         \$0         \$31,733         \$0           Orasure Technologies, Inc.         \$0         \$0         \$31,733         \$0           Orasure Technologies, Inc.         \$0         \$0					\$5,643
Niric Biotherapeutics, Inc.         \$0         \$0         \$1648         \$51,643         \$51,648         \$52,637         \$51,648         \$52,637         \$51,643         \$52,637         \$51,643         \$52,637         \$51,643         \$52,637         \$51,643         \$52,637         \$52,637         \$52,637         \$52,637         \$52,637         \$53,600         \$\$17,502         \$50         \$53,600         \$\$17,502         \$50         \$53,680         \$\$17,502         \$50         \$53,680         \$\$17,502         \$50         \$53,680         \$\$17,502         \$50         \$53,680         \$\$51,643         \$50         \$55         \$53,252         \$51,643         \$50         \$50         \$55         \$53,253         \$52,243         \$53,620         \$53,052         \$00         \$52,641         \$50         \$50         \$50         \$53         \$53,22,835         \$53,22,835         \$53,22,835         \$53,22,835         \$53,22,835         \$52,24,835         \$52,24,835 <t< td=""><td></td><td>\$0</td><td>\$0</td><td>\$58,893</td><td>\$42,026</td></t<>		\$0	\$0	\$58,893	\$42,026
Nevocell Semiconductor, Inc.         \$0         \$0         \$10,719         \$10           Numda Technologies, Inc.         \$0         \$113,216         \$85,799           NuPathe, Inc.         \$0         \$0         \$113,216         \$85,695           NuTex Tooling Systems, Inc.         \$0         \$0         \$86,605         \$263           Nutrisystem, Inc.         \$0         \$0         \$86,643         \$29,917           Ohm-Labs, Inc.         \$0         \$0         \$11,351         \$113,351           Omega Pasitor, LLC         \$0         \$0         \$17,502         \$00           Orneag Plastics, LLC         \$0         \$0         \$41,192         \$41,192           Orneag Plastics, LLC         \$0         \$0         \$41,700         \$00           Orasure Technologies, Inc.         \$0         \$0         \$41,700         \$0           Orasure Technologies, Inc.         \$0         \$0         \$44,224         \$44,824           Order Bio-Imaging Research, Inc.         \$0         \$0         \$13,733         \$0           Parker White Metal Company         \$0         \$0         \$14,474         \$14,474           PB Heat, LLC         \$0         \$0         \$14,474         \$14,474      <		\$0			\$365
Numeda Technologies, Inc.         \$0         \$0         \$113,216         \$65,633         \$616,044           NuTec Tooling Systems, Inc.         \$0         \$0         \$57,637         \$161,044           NuTe Tooling Systems, Inc.         \$0         \$0         \$56,643         \$2283           Nutrisystem, Inc.         \$0         \$0         \$9,091         \$33,000           Ohm-Labs, Inc.         \$0         \$0         \$31,351         \$11,351           Omega Design Corporation         \$0         \$0         \$36,800         \$87           Omega Design Corporation         \$0         \$0         \$41,192         \$41,192           Oreal Steel, Inc.         \$0         \$0         \$41,192         \$41,192           Oreal Steel, Inc.         \$0         \$0         \$24,214         \$20           Oreal Steel, Inc.         \$0         \$0         \$24,24         \$30           Ortsal Steel, Inc.         \$0         \$0         \$22,641         \$00           Outsourcing USA         \$0         \$0         \$22,843         \$32,835           Outsourcing USA         \$0         \$0         \$24,44         \$44,84           Voren Industries, Inc.         \$0         \$0         \$24,477         \$24,7					
NuPathe, Inc.         \$0         \$0         \$173,637         \$161,044           NuTe'r ooling Systems, Inc.         \$0         \$0         \$56,605         \$223           Nutrisystem, Inc.         \$0         \$0         \$50,605         \$223           Ohm-Labs, Inc.         \$0         \$0         \$51,300         \$0         \$11,351           Omega Pasitos, LLC         \$0         \$0         \$11,351         \$11,351           Omega Pasitos, LLC         \$0         \$0         \$41,192         \$41,192           Ornal Steel, Inc.         \$0         \$0         \$41,192         \$41,192           Ornal Steel, Inc.         \$0         \$0         \$52,750         \$3.052           Ortsourcing USA         \$0         \$0         \$52,853         \$3.22,835           Outsourcing USA         \$0         \$0         \$41,373         \$0           Parker White Meal Company         \$0         \$0         \$13,733         \$0           Parker White Meal Company         \$0         \$0         \$24,797         \$24,797           Parker White Meal Company         \$0         \$0         \$24,797         \$24,797           Parker White Meal Company         \$0         \$0         \$24,797         \$24,797 <td></td> <td></td> <td></td> <td></td> <td></td>					
NuTec Tooling Systems, Inc.         \$0         \$0         \$36,605         \$223           Nutrisystem, Inc.         \$0         \$0         \$85,643         \$22,917           Ohm-Labs, Inc.         \$0         \$0         \$1,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,331         \$11,351					
Nutrisystem, Inc.         \$0         \$0         \$65,43         \$229.97           Ohm-Labs, Inc.         \$0         \$0         \$11,351         \$11,351         \$11,351           Omega Plasitos, LLC         \$0         \$0         \$36,800         \$87           Omega Plasitos, LLC         \$0         \$0         \$41,192         \$41,192           Orneal Plasitos, LLC         \$0         \$0         \$41,192         \$41,192           Orneal Vinid Energy Systems, LLC         \$0         \$0         \$52,750         \$3.082           Orneal Vinid Energy Systems, LLC         \$0         \$0         \$52,750         \$3.082           Outsourcing USA         \$0         \$0         \$52,750         \$3.082           Oven Industries, Inc.         \$0         \$0         \$32,835         \$32.383         \$32.383         \$32.383         \$32.383         \$32.383         \$32.383         \$32.383         \$32.383         \$32.942         \$2.942					
Ohm-Labs, Inc.         S0         S0, 991         S3.000           Olympic Steel, Inc.         S0         S0         \$11.351         \$11.351           Omega Pasitics, LLC         S0         S0         \$376,800         \$877,502         \$80           Ornewid Renergy Systems, LLC         S0         S0         \$41,192         \$41,192         \$41,192           O'Neal Steel, Inc.         S0         S0         \$47,700         \$40         \$30,680           Orasure Technologies, Inc.         S0         S0         \$22,750         \$33,082           Oven Industries, Inc.         S0         S0         \$4,824         \$44,824           Oven Industries, Inc.         S0         S0         \$14,474         \$44,474           Corporation         S0         S0         \$14,474         \$14,474           Patrick Sensors and Controls         Corporation         S0         \$24,737         \$24,737           Penn Metal Stamping, Inc.         S0         S0         \$14,474         \$14,474           Peneridge Farm, Incorporated         S0         \$0         \$14,474         \$14,474           Peneridge Farm, Incorporated         S0         \$0         \$14,475         \$10,625         \$10,625         \$10,625 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Olympic Steel, Inc.         \$0         \$11,351         \$11,351           Omega Design Corporation         \$0         \$0         \$36,800         \$87           Omega Plastics, LLC         \$0         \$0         \$17,502         \$41,192         \$41,192           OrnelWind Energy Systems, LLC         \$0         \$0         \$41,700         \$0         \$64,700         \$0           Orneal Steel, Inc.         \$0         \$0         \$52,750         \$33,052         Outsourcing USA         \$0         \$0         \$2,641         \$0           Outsourcing USA         \$0         \$0         \$2,642         \$4,824         \$4,824           Oxford Bio-Imaging Research, Inc.         \$0         \$0         \$14,733         \$0           Corporation         \$0         \$0         \$14,474         \$14,474           Parker White Metal Company         \$0         \$0         \$14,474         \$14,474           Penker, LLC         \$0         \$0         \$14,474         \$14,474           PennTecQ, Inc.         \$0         \$0         \$2,442         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942         \$2,942					
Omega Design Corporation         \$0         \$38,800         \$87           Omega Plastics, LLC         \$0         \$0         \$17,502         \$10           OnnelVind Energy Systems, LLC         \$0         \$0         \$41,192         \$41,474         \$51,492,43         \$42,434         \$44,824         \$44,824         \$44,824         \$44,874         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,474         \$14,979         \$24,797					
Omega Plastics, LLC         \$0         \$17,502         \$0           OmniWind Energy Systems, LLC         \$0         \$0         \$41,192         \$41,192           Orleal Steel, Inc.         \$0         \$0         \$52,750         \$3,052           Outsourcing USA         \$0         \$0         \$52,750         \$3,052           Outsourcing USA         \$0         \$0         \$4,824         \$4,824           Oxford Bio-Imaging Research, Inc.         \$0         \$0         \$32,835         \$32,235           Parker White Metal Company         \$0         \$0         \$13,733         \$0           Corporation         \$0         \$0         \$14,474         \$14,474           Parker White Metal Company         \$0         \$0         \$14,474         \$14,474           Pent Parker White Metal Company         \$0         \$0         \$2,942         \$2,947,97         \$2,4797         \$2,4797         \$2,47					
OmniWind Energy Systems, LLC         \$0         \$41,192         \$41,192           O'Neal Steel, Inc.         \$0         \$0         \$4,700         \$0           Orasure Technologies, Inc.         \$0         \$0         \$22,750         \$3,052           Oven Industries, Inc.         \$0         \$0         \$22,835         \$32,835           Parker White Metal Company         \$0         \$0         \$13,733         \$0           Parker White Metal Company         \$0         \$0         \$14,474         \$14,474           Parker White Metal Company         \$0         \$0         \$14,474         \$14,474           Parker White Metal Company         \$0         \$0         \$2,942         \$2,942         \$2,942           Parker White Metal Stamping, Inc.         \$0         \$0         \$2,4797         \$24,797           Penn Metal Stamping, Inc.         \$0         \$0         \$14,673         \$4,053           Peperiorige Farm, Incorporated         \$0         \$0         \$14,774         \$14,474           Penereridge Farm, Incorporated         \$0         \$0         \$24,732         \$24,732           Penereridge Farm, Incorporated         \$0         \$0         \$24,732         \$24,732           Pineereride Hi-Bred International, Inc					
O'Neal Steel, Inc.         \$0         \$0         \$4,700         \$0           Orasure Technologies, Inc.         \$0         \$0         \$2,750         \$3,052           Outsourcing USA         \$0         \$0         \$2,641         \$0           Oven Industries, Inc.         \$0         \$0         \$24,824         \$4,824           Oven Industries, Inc.         \$0         \$0         \$34,824         \$4,824           Orasure Twitte Metal Company         \$0         \$0         \$13,733         \$0           Patriot Sensors and Controls         Corporation         \$0         \$0         \$14,474         \$14,474           PB Heat, LLC         \$0         \$0         \$2,942         \$2,942         \$2,942           Penn TecO, Inc.         \$0         \$0         \$10,625         \$10,625         \$10,625           Pepperidge Farm, Incorporated         \$0         \$0         \$5,195,497         \$5,195,497           Pharmaceutical Manufacturing Research         \$0         \$0         \$24,732         \$24,732           Princes, Inc.         \$0         \$0         \$24,732         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$24,732         \$24,732         \$24,733					<b>†</b> -
Orasure Technologies, Inc.         \$0         \$0         \$52,750         \$3,652           Outsourcing USA         \$0         \$0         \$2,641         \$0           Oven Industries, Inc.         \$0         \$0         \$32,835         \$32,835           Parker White Metal Company         \$0         \$0         \$31,733         \$0           Parker White Metal Company         \$0         \$0         \$13,733         \$0           Corporation         \$0         \$0         \$22,842         \$2,942           Pent Metal Stamping, Inc.         \$0         \$0         \$24,797         \$24,797           Penn Metal Stamping, Inc.         \$0         \$0         \$24,797         \$24,797           Penn Metal Stamping, Inc.         \$0         \$0         \$4,053         \$4,053           Prizer, Inc.         \$0         \$0         \$0         \$4,053         \$4,053           Prizer, Inc.         \$0         \$0         \$0         \$5,195,497         \$5,195,497           Pinarmaceutical Manufacturing Research         \$0         \$0         \$247,732         \$247,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$33,259         \$1,279           Pitus Consulting, LLC         \$0					
Outsourcing USA         \$0         \$0         \$2,641         \$0           Oven Industries, Inc.         \$0         \$0         \$4,824         \$4,824           Oxford Bio-Imaging Research, Inc.         \$0         \$0         \$32,835         \$32,835           Parker White Metal Company         \$0         \$0         \$13,733         \$0           Patriot Sensors and Controls         \$0         \$14,474         \$14,474         \$14,474           Corporation         \$0         \$0         \$22,942         \$2,942         \$2,942           Penn Metal Stamping, Inc.         \$0         \$0         \$0         \$24,077         \$24,797           Penn TecQ, Inc.         \$0         \$0         \$16,625         \$10,625         \$10,625           Pepperidge Farm, Incorporated         \$0         \$0         \$5,195,497         \$24,732         \$24,732           Pharmaceutical Manufacturing Research         \$0         \$0         \$27,072					
Oven Industries, Inc.         \$0         \$4,824         \$4,824           Oxford Bio-Imaging Research, Inc.         \$0         \$0         \$32,835         \$32,835           Parker White Metal Company         \$0         \$0         \$13,733         \$0           Parker White Metal Company         \$0         \$0         \$13,733         \$0           Parker White Metal Company         \$0         \$0         \$2,942         \$2,943         \$2,943         \$2,943         \$2,943         \$2,943         \$2,943         \$2,943         \$2,943         \$2,44,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732         \$24,732					
Oxford Bio-Imaging Research, Inc.         \$0         \$0         \$32,835         \$32,835           Parker White Metal Company         \$0         \$0         \$0         \$13,733         \$0           Patriot Sensors and Controls         \$0         \$0         \$14,474         \$14,474         \$14,474           Penn Metal Stamping, Inc.         \$0         \$0         \$24,797         \$24,797           Penn Metal Stamping, Inc.         \$0         \$0         \$24,797         \$24,797           Penn Metal Stamping, Inc.         \$0         \$0         \$24,797         \$24,797           Penn Metal Stamping, Inc.         \$0         \$0         \$24,732         \$24,747           Pharmaceutical Manufacturing Research         \$0         \$0         \$24,732         \$24,732           Prizer, Inc.         \$0         \$0         \$27,702         \$27,7072           Pitney Bowes Software, Inc.         \$0         \$0         \$24,732         \$24,732           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$24,732         \$24,732           Polymer Products Company, Inc.         \$0         \$0         \$24,253         \$2,253           Polymer Products Company, Inc.         \$0         \$0         \$2,253         \$2,253					
Parker White Metal Company         \$0         \$0         \$13,733         \$0           Patriot Sensors and Controls         \$0         \$14,474         \$14,474           PB Heat, LLC         \$0         \$0         \$14,474         \$14,474           PB Heat, LLC         \$0         \$0         \$2,942         \$2,942           PennTecQ, Inc.         \$0         \$0         \$10,625         \$10,625           Pepperidge Farm, Incorporated         \$0         \$0         \$10,625         \$10,625           Pharmaceutical Manufacturing Research         \$0         \$0         \$24,732         \$24,732           Prenreco, Inc.         \$0         \$0         \$0,80         \$24,732         \$24,732           Pharmaceutical Manufacturing Research         \$0         \$0         \$24,732         \$24,732           Prenreco, Inc.         \$0         \$0         \$24,732         \$24,732           Pineer Hi-Bred International, Inc.         \$0         \$0         \$9,049           Plus Consulting, LLC         \$0         \$0         \$24,253         \$22,53           Polymer Products Company, Inc.         \$0         \$0         \$24,253         \$2,253           Polymer Products Company, Inc.         \$0         \$0         \$23,658 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Patriot Sensors and Controls         \$0         \$0         \$0         \$14,474         \$14,474           PB Heat, LLC         \$0         \$0         \$2,942         \$2,4,797         \$24,797         \$24,797         \$24,797         \$24,797         \$24,797         \$24,797         \$24,753         \$4,053         \$5,012         \$2,27,372         \$2,7,072         \$27,072         \$27,072         \$27,072         \$27,072         \$27,072         \$27,072	Parker White Metal Company				
Sol         Sol <td></td> <td></td> <td></td> <td></td> <td></td>					
PB Heat, LLC         \$0         \$0         \$2,942         \$2,4797         \$2,4732 <th< td=""><td></td><td>\$0</td><td>\$0</td><td>\$14 474</td><td>\$14 474</td></th<>		\$0	\$0	\$14 474	\$14 474
Penn Metal Stamping, Inc.         \$0         \$0         \$24,797         \$24,797           Penn TecQ, Inc.         \$0         \$0         \$10,625         \$10,625           Pepperidge Farm, Incorporated         \$0         \$0         \$4,053         \$4,453           Prizer, Inc.         \$0         \$0         \$5,195,497         \$5,195,497         \$5,195,497           Pharmaceutical Manufacturing Research         \$0         \$0         \$24,732         \$24,732           Piner Hi-Bred International, Inc.         \$0         \$0         \$27,072         \$27,072           Pitney Bowes Software, Inc.         \$0         \$0         \$24,253         \$93,957           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$24,253         \$93,957           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$2,253         \$2,253           Portico Systems, Inc.         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Medical Products, Inc.         \$0         \$0         \$10,210         \$0           Primus Technologies Corp.         \$0         \$0         \$13,433         \$133,430         \$133,430					
PennTecQ, Inc.         \$0         \$0         \$10,625         \$10,625           Pepperidge Farm, Incorporated         \$0         \$0         \$4,053         \$4,053           Prizer, Inc.         \$0         \$0         \$5,195,497         \$5,195,497           Pharmaceutical Manufacturing Research         \$0         \$0         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$24,732         \$24,732           Pinney Bowes Software, Inc.         \$0         \$0         \$27,072         \$27,072           Pinney Bowes Software, Inc.         \$0         \$0         \$3397         \$0           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$24,253         \$93,957           Polymer Products Company, Inc.         \$0         \$0         \$3,259         \$1,279           Polymer Products Company, Inc.         \$0         \$0         \$2,253         \$2,253           Polymeric Systems, Inc.         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Medical Products, Inc.         \$0         \$0         \$13,430         \$133,430           Predical Catheter Care					
Pepperidge Farm, Incorporated         \$0         \$0         \$4,053         \$4,053           Prizer, Inc.         \$0         \$0         \$5,195,497         \$5,195,497           Pharmaceutical Manufacturing Research Services, Inc.         \$0         \$0         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$242,732         \$224,732           Pius Consulting, LLC         \$0         \$0         \$39,049         \$9,049         \$9,049           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$242,536         \$93,957           Polymer Coystems, Inc.         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Medical Products, Inc.         \$0         \$0         \$13,3,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$13,3,430         \$133,433           Primus Technologies Corp.         \$0         \$0         \$13,433 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Pfizer, Inc.         \$0         \$0         \$5,195,497         \$5,195,497           Pharmaceutical Manufacturing Research Services, Inc.         \$0         \$0         \$24,732         \$24,732           Pinneer Hi-Bred International, Inc.         \$0         \$0         \$27,072         \$27,072           Pitney Bowes Software, Inc.         \$0         \$0         \$27,072         \$27,072           Pitney Bowes Software, Inc.         \$0         \$0         \$39,049         \$9,049           Plus Consulting, LLC         \$0         \$0         \$3977         \$0           Polymer Products Company, Inc.         \$0         \$0         \$242,536         \$93,957           Polymer Products Company, Inc.         \$0         \$0         \$2,253         \$2,259           Polymer Products Company, Inc.         \$0         \$0         \$2,253         \$2,253           Polymer Products Company, Inc.         \$0         \$0         \$2,253         \$2,253           Polymer Systems Corporation         \$0         \$0         \$2,253         \$2,253           Precision Medical Products, Inc.         \$0         \$0         \$13,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$13,430         \$133,430           Pr					
Pharmaceutical Manufacturing Research Services, Inc.         \$0         \$0         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$27,072         \$27,072           Pitney Bowes Software, Inc.         \$0         \$0         \$9,049         \$9,049           Plus Consulting, LLC         \$0         \$0         \$397         \$0           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$327         \$1           Polymer C Systems, Inc.         \$0         \$0         \$242,536         \$93,957           Polymeric Systems, Inc.         \$0         \$0         \$3,259         \$1,279           Polymeric Systems, Inc.         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Medical Products, Inc.         \$0         \$0         \$13,430         \$13,430           Primus Technologies Corp.         \$0         \$0         \$13,430         \$13,430           Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$11,021         \$0           Primus Technologies Corp. <td></td> <td></td> <td></td> <td></td> <td></td>					
Services, Inc.         \$0         \$0         \$24,732         \$24,732           Pioneer Hi-Bred International, Inc.         \$0         \$0         \$27,072         \$27,072           Pitney Bowes Software, Inc.         \$0         \$0         \$9,049         \$9,049           Plus Consulting, LLC         \$0         \$0         \$3377         \$0           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$3259         \$1,279           Polymer Products Company, Inc.         \$0         \$0         \$32,259         \$1,279           Polrpart Echnologies Corporation         \$0         \$0         \$242,536         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,253         \$2,253           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$13,430         \$13,430           Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Precision Therapeutics, Inc.         \$0         \$0         \$11,01         \$11,091           Primus Technologies Corp.         \$0         \$0         \$13,430         \$13,430           Primus Techohogies Corp.	Pharmaceutical Manufacturing Research				
Pioneer Hi-Bred International, Inc.         \$0         \$0         \$27,072         \$27,072           Pitney Bowes Software, Inc.         \$0         \$0         \$0         \$9,049         \$9,049           Plus Consulting, LLC         \$0         \$0         \$242,536         \$93,957           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$242,536         \$93,957           Polymer Products Company, Inc.         \$0         \$0         \$242,536         \$23,259         \$1,279           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$5,612         \$2,589         \$2,253         \$2,253         \$2,253         \$2,253         \$2,253         \$2,2637         \$2,637	•	\$0	\$0	\$24.732	\$24.732
Plus Consulting, LLC         \$0         \$0         \$397         \$0           Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$242,536         \$93,957           Polymer Products Company, Inc.         \$0         \$0         \$3,259         \$1,279           Polymeric Systems, Inc.         \$0         \$0         \$5,612         \$2,589           PoolPak Technologies Corporation         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$13,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$10,210         \$0           Proidore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$2,833         \$2,833         \$2,833         \$2,833					
Polymedix Pharmaceuticals, Inc.         \$0         \$0         \$242,536         \$93,957           Polymer Products Company, Inc.         \$0         \$0         \$3,259         \$1,279           Polymeric Systems, Inc.         \$0         \$0         \$5,612         \$2,589           PoolPak Technologies Corporation         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$13,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$11,021         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$14,108         \$4,943           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quantum Software Soluti		\$0	\$0		
Polymer Products Company, Inc.         \$0         \$0         \$3,259         \$1,279           Polymeric Systems, Inc.         \$0         \$0         \$5,612         \$2,589           PoolPak Technologies Corporation         \$0         \$0         \$2,253         \$2,253           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$13,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$10,210         \$0           Primus Technologies Corp.         \$0         \$0         \$11,010         \$0           Primus Technologies Corp.         \$0         \$0         \$11,010         \$0           Progeny Systems Corporation         \$0         \$0         \$11,010         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         <	Plus Consulting, LLC	\$0	\$0	\$397	\$0
Polymeric Systems, Inc.         \$0         \$0         \$5,612         \$2,589           PoolPak Technologies Corporation         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$53,658         \$0           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$133,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$133,430         \$133,430           Progeny Systems Corporation         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$8,370         \$0           Porgeny Systems Corporation         \$0         \$0         \$8,370         \$0           PuriCore, Inc.         \$0         \$0         \$28,682         \$0           Quality Engineering Solutions, Inc.         \$0         \$0         \$11,091         \$11,091           Quantum Potential Corporation         \$0         \$0         \$2,833         \$2,833           Quantum Software Solutions, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0<					
PoolPak Technologies Corporation         \$0         \$0         \$2,253         \$2,253           Portico Systems of Delaware, Inc.         \$0         \$0         \$53,658         \$0           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$133,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$133,430         \$133,430           Progeny Systems Corporation         \$0         \$0         \$8,370         \$0           PSI Medical Catheter Care, LLC         \$0         \$0         \$28,682         \$0           PuriCore, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quantum Software Solutions, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Services, Inc.         \$0         \$0         \$14,1547         \$823           Rez, Inc.         \$0					
Portico Systems of Delaware, Inc.         \$0         \$0         \$53,658         \$0           Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$133,430         \$133,430           Precision Therapeutics, Inc.         \$0         \$0         \$1133,430         \$133,430           Precision Therapeutics, Inc.         \$0         \$0         \$10,210         \$0           Precision Therapeutics, Inc.         \$0         \$0         \$10,210         \$0           Precision Therapeutics, Inc.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$11,021         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$3,695         \$3,695           Quantum Potential Corporation         \$0         \$0         \$2,833         \$2,833         \$2,833           Quantum Software Solutions, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Se					
Precision Medical Products, Inc.         \$0         \$0         \$2,637         \$2,637           Precision Therapeutics, Inc.         \$0         \$0         \$133,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$8,370         \$0           PSI Medical Catheter Care, LLC         \$0         \$0         \$28,682         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Services, Inc.         \$0         \$0         \$7,762         \$7,762           Rapid Reaction, Inc. <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Precision Therapeutics, Inc.         \$0         \$0         \$133,430         \$133,430           Primus Technologies Corp.         \$0         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$0         \$8,370         \$0           PSI Medical Catheter Care, LLC         \$0         \$0         \$28,682         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Services, Inc.         \$0         \$0         \$12,620         \$9,886           Rapid Reaction, Inc.         \$0         \$0         \$7,762         \$7,762           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           R				. ,	
Primus Technologies Corp.         \$0         \$0         \$10,210         \$0           Progeny Systems Corporation         \$0         \$0         \$8,370         \$0           PSI Medical Catheter Care, LLC         \$0         \$0         \$28,682         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$14,108         \$4,943           Quantum Software Solutions, Inc.         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           Rapid Reaction, Inc.         \$0         \$0         \$7,762         \$7,762           Ratex Business Solutions, Inc.         \$0         \$0         \$775         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,143         \$0           Rearick Tooling, Inc.         \$0					
Progeny Systems Corporation         \$0         \$0         \$3,370         \$0           PSI Medical Catheter Care, LLC         \$0         \$0         \$28,682         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$14,108         \$4,943           Quantum Software Solutions, Inc.         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           Rampart Hydro Services, Inc.         \$0         \$0         \$7,762         \$7,762           Ratex Business Solutions, Inc.         \$0         \$0         \$775         \$0           Ratex Business Solutions, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.					
PSI Medical Catheter Care, LLC         \$0         \$0         \$28,682         \$0           PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           Rampart Hydro Services, Inc.         \$0         \$0         \$7,762         \$7,762           Rapid Reaction, Inc.         \$0         \$0         \$12,620         \$9,886           Retex Business Solutions, Inc.         \$0         \$0         \$5,016         \$5,016           Rapid Reaction, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.					
PuriCore, Inc.         \$0         \$0         \$11,091         \$11,091           Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           RAM Palmer Company         \$0         \$0         \$12,620         \$9,886           Rapid Reaction, Inc.         \$0         \$0         \$7,762         \$7,762           Rapid Reaction, Inc.         \$0         \$0         \$5,016         \$5,016           Rapid Reaction, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$114,547         \$823           Reading Pretzel Machining Corp.         \$0         \$0         \$23,448         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,448         \$10,681           Rearick Tooling, Inc.         \$0         \$0					
Quality Engineering Solutions, Inc.         \$0         \$0         \$14,108         \$4,943           Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695           Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           Rampart Hydro Services, Inc.         \$0         \$0         \$7,762         \$7,762           Rapid Reaction, Inc.         \$0         \$0         \$5,016         \$5,016           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$114,547         \$823           Reading Pretzel Machining Corp.         \$0         \$0         \$23,448         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,448         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,448         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,545         \$2,754           Recor Pharma, Inc.         \$0					
Quantum Potential Corporation         \$0         \$0         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$3,695         \$0         \$2,833         \$2,3,143         \$2,93         \$2,162					
Quantum Software Solutions, Inc.         \$0         \$0         \$2,833         \$2,833           Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           Rampart Hydro Services, Inc.         \$0         \$0         \$7,762         \$7,762           Rapid Reaction, Inc.         \$0         \$0         \$5,016         \$5,016           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,754         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$20,726         \$18,862					
Quintech Electronics Communications, Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Services, Inc.         \$0         \$0         \$5,016         \$5,016           Rapid Reaction, Inc.         \$0         \$0         \$775         \$0           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$23,754         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
Inc.         \$0         \$0         \$12,620         \$9,886           R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Services, Inc.         \$0         \$0         \$5,016         \$5,016           Rapid Reaction, Inc.         \$0         \$0         \$775         \$0           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862	· · · · · · · · · · · · · · · · · · ·	ψυ	ΨΟ	ψ2,000	ψ2,033
R.M. Palmer Company         \$0         \$0         \$7,762         \$7,762           Rampart Hydro Services, Inc.         \$0         \$0         \$5,016         \$5,016           Rapid Reaction, Inc.         \$0         \$0         \$775         \$0           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862		¢o	¢o	\$10 600	¢0.00¢
Rampart Hydro Services, Inc.         \$0         \$0         \$5,016         \$6,016					
Rapid Reaction, Inc.         \$0         \$0         \$775         \$0           Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
Ratex Business Solutions, Inc.         \$0         \$0         \$114,547         \$823           RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
RE2, Inc.         \$0         \$0         \$23,143         \$0           Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
Reading Pretzel Machining Corp.         \$0         \$0         \$23,408         \$10,681           Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
Rearick Tooling, Inc.         \$0         \$0         \$3,545         \$2,754           Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
Recro Pharma, Inc.         \$0         \$0         \$57,321         \$0           Red Valve Company, Inc.         \$0         \$0         \$20,726         \$18,862					
Red Valve Company, Inc. \$0 \$0 \$20,726 \$18,862					
Regeneron Pharmaceuticals, Inc. 50 50 54,956 54,956	Regeneron Pharmaceuticals, Inc.	\$0			

Taxpayer Name         Awarded         Utilized 1         Credit Awarded         Credit Utilized 1           Renal Solutions, Inc.         \$0         \$0         \$2,979         Res.2979           Renal Solutions, Inc.         \$0         \$0         \$3,301         \$0           Riggs Industries, Inc.         \$0         \$0         \$2,979         \$0           Robert Bosch, LLC         (Irka Robert Bosch Tool Corporation         \$0         \$2,841         \$2,2541           Robert Bosch, LLC (Irk/a Robert Bosch         \$0         \$3,395         \$0         \$3,395         \$0           Ross Tachnology Corporation         \$0         \$0         \$2,863         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864         \$2,864					2012 8 2011
Support         S0         S0         S2,979         S2,970         S3         S0         S0         S3         S0         S0         S2,574         S1,975         S1,975         S1,975         S1,975         S1,975         S1,975         S1,975         S1,935         S0         S0         S3,206         S2,206         S3         S3         S0         S0         S3,206         S3,206         S3,206         S3,206         S2,206         S3         S3         S0         S0         S3,206         S2,207         S1,935         S0         S0         S3,206         S2,207         S1,935         S0	<b>T</b>	2013 Credit	2013 Credit	2012 & 2011 Credit Awarded	2012 & 2011 Credit Utilized <sup>1</sup>
Renal Solutions, Inc.         \$0         \$0         \$32,350         \$0           Rigg Industries, Inc.         \$0         \$0         \$33,301         \$0           Rigg Industries, Inc.         \$0         \$0         \$32,351         \$59           Robert Bosch Tool Corporation         \$0         \$0         \$2,541         \$2,541           Robert Bosch, LLC (IK/a Robert Bosch Corporation         \$0         \$0         \$33,995         \$10           Ross Mould Incorporated         \$0         \$0         \$32,995         \$26,637         \$22,6637           Ross Mould Incorporation         \$0         \$0         \$32,066         \$32,066         \$32,066           Stas Processing, Inc.         \$0         \$0         \$32,066         \$32,066         \$32,066           Schott North America, Inc.         \$0         \$0         \$14,371         \$5,484           Schott North America, Inc.         \$0         \$0         \$1,433         \$1,633           Schott North America, Inc.         \$0         \$0         \$2,666         \$0           Schott North America, Inc.         \$0         \$0         \$2,666         \$0           Schott North America, Inc.         \$0         \$0         \$2,26,68         \$0           <					
Rhiza Labs, LLC         \$0         \$0         \$3,301         \$0           Riggs Industries, Inc.         \$0         \$0         \$48,461         \$20           Robert Bosch Tool Corporation         \$0         \$0         \$2,541         \$22,541           Robert Bosch, LLC ( <i>lfkla</i> Robert Bosch         \$0         \$1,475         \$11,475           Corporation         \$0         \$0         \$1,475         \$11,475           Ross Tochnology Corporation         \$0         \$0         \$26,637         \$226,637           Ross Tochnology Corporation         \$0         \$0         \$26,637         \$226,637         \$14,375           Sametc, Inc.         \$0         \$0         \$33,206         \$3,206         \$3,206           Sametc, Inc.         \$0         \$0         \$3,206         \$3,206         \$3,206           Schuty Devolopment, Inc.         \$0         \$0         \$6,626         \$0         \$20,476         \$1,438           Schust Devolopment, Inc.         \$0         \$0         \$22,476         \$24,438         \$24,338           Schust Devolopment, Inc.         \$0         \$0         \$22,677         \$257,677         \$257,677           Shust Devolopment, Inc.         \$0         \$0         \$22,360					
Riggs Industries, Inc.         \$0         \$0         \$54,461         \$20           Robert Bosch Tool Corporation         \$0         \$0         \$2,541         \$2,541           Robert Bosch, LLC ( <i>It/ka</i> Robert Bosch Corporation)         \$0         \$0         \$3,995         \$00           Ross Mould Incorporated         \$0         \$0         \$33,303         \$00           Ross Mould Incorporated         \$0         \$0         \$33,303         \$00           Ross Technology Corporation         \$0         \$0         \$33,303         \$00           Stamtec, Inc.         \$0         \$0         \$33,303         \$00         \$14,371         \$5,484           Schnutd It Technology Corporation         \$0         \$0         \$14,371         \$5,484         \$5,577         \$1,063         \$6,626         \$0         \$2,608         \$00         \$2,608         \$0         \$2,608         \$0         \$2,608         \$0         \$2,608         \$0         \$2,623,60         \$2,620         \$0         \$0         \$2,626         \$0         \$0         \$2,628         \$0         \$0         \$2,628         \$0         \$0         \$2,628         \$0         \$0         \$2,77         \$2,77,77         \$2,77,77         \$2,77,77         \$2,77,77					
Roaring Spring Blank Book Company         \$0         \$0         \$2,541         \$2,00           Robert Bosch, LLC (1/k/a Robert Bosch         \$0         \$0         \$1,252         \$2,541         \$2,541           Corporation)         \$0         \$0         \$1,395         \$10         \$2,541         \$2,541           Corporation)         \$0         \$0         \$11,475         \$14,371         \$51,464         \$26,637         \$26,637         \$26,637         \$26,637         \$26,637         \$26,637         \$32,668         \$30         \$50         \$51,438         \$48,847         \$48,847         \$48,847         \$48,847         \$48,847         \$48,847         \$48,847         \$48,847         \$48,847         \$41,438         \$50         \$50         \$53,266         \$50         \$53,266         \$50         \$53,266         \$50         \$53,266         \$50         \$53,266         \$50         \$53,276         \$75					
Robert Bosch Tool Corporation         \$0         \$0         \$2,541         \$2,541           Robert Bosch, LLC (#k/a Robert Bosch Corporation)         \$0         \$0         \$3,395         \$00           Rost Multi Incorporated         \$0         \$0         \$3,395         \$26,637         \$21,475         \$22,637           Rost Sechnology Corporation         \$0         \$0         \$33,30         \$50         \$33,30         \$50           Rost Technology Corporation         \$0         \$0         \$14,371         \$5,484           Samtec, Inc.         \$0         \$0         \$22,6637         \$1,438           Schuidt Technology Corporation         \$0         \$0         \$14,371         \$5,484           Schuidt Technology Corporation         \$0         \$0         \$22,676         \$1,438           Schuidt Technology Corporation         \$0         \$0         \$22,680         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$22,677         \$1,438           Schuidt N., Inc.         (Ma SorviceLink         \$0         \$0         \$22,300         \$22,300           Signal Technologies, Inc.         \$0         \$0         \$22,300         \$22,300         \$22,300           Silberine Manufacturing Co., Inc.					
Robert Bosch, LLC ( <i>thka</i> Robert Bosch Corporation)         \$0         \$0         \$13,995         \$0           Rockland Immunochemicals, Inc.         \$0         \$0         \$11,475         \$11,475         \$11,475           Ross Technology Corporation         \$0         \$0         \$26,637         \$226,637           Noss Technology Corporation         \$0         \$0         \$32,206         \$32,206           SAS Processing, Inc.         \$0         \$0         \$14,371         \$54,48,847           Samete, Inc.         \$0         \$0         \$2,577         \$1,063           Schust Development, Inc.         \$0         \$0         \$2,608         \$1,438           Schust Development, Inc.         \$0         \$0         \$2,608         \$0           ServiceLink, Inc.         \$0         \$0         \$2,626         \$0           ServiceLink, Inc.         \$0         \$0         \$2,627,677         \$2,57,677           Stocking, Inc.         \$0         \$0         \$2,628         \$0           Signal Technologies, Inc.         \$0         \$0         \$2,23.99         \$2,03.99           Signal Technologies, Inc.         \$0         \$0         \$2,23.99         \$2,03.99         \$2,03.99         \$2,03.99         \$2,03.99					
Corporation)         S0         S3         S3         S0           Rockland Immunochemicals, Inc.         S0         \$0         \$11,475         \$11,475           Ross Mould Incorporated         \$0         \$0         \$26,637         \$26,637           Ross Technology Corporation         \$0         \$0         \$3,206         \$3,206           Ross Technologies, LLC)         \$0         \$0         \$3,206         \$3,206           Samtec, Inc.         \$0         \$0         \$1,471         \$5,484           Schut North America, Inc.         \$0         \$0         \$1,471         \$5,484           Schuts Development, Inc.         \$0         \$0         \$2,20,476         \$1,433           Schuts Development, Inc.         \$0         \$0         \$227,677         \$257,677           SomeDi Biosciences, Inc.         \$0         \$0         \$223,860         \$223,360           Signal Technologies, Inc.         \$0         \$0         \$227,345         \$21,335           Signal Technologies, Inc.         \$0         \$0         \$227,345         \$223,360           Signal Technologies, Inc.         \$0         \$0         \$227,345         \$23,39           Silverstorm Technologies, Inc.         \$0         \$0		ţ.	ţ,	<i> </i>	¢_,e
Rockland Immunochemicals, Inc.         \$0         \$11,475         \$11,4		\$0	\$0	\$3 995	\$0
Ross Mould Incorporated         \$0         \$39,330         \$0           Ross Technology Corporation         \$0         \$0         \$26,637         \$26,637           Vibe, LLC (fWa Johnson McCormick         \$0         \$3,206         \$3,206           SAS Processing, Inc.         \$0         \$0         \$366,871         \$48,847           Samtec, Inc.         \$0         \$0         \$14,371         \$5,484           Schut Technology Corporation         \$0         \$0         \$5,577         \$1,633           Schuts Development, Inc.         \$0         \$0         \$220,476         \$1,438           Schuts Development, Inc.         \$0         \$0         \$26,628         \$0           ServiceLink, Inc. (fWa ServiceLink         \$0         \$257,677         \$257,677         \$257,677           ShowCiki, Inc.         \$0         \$0         \$227,345         \$20,300         \$20,300         \$20,309         \$20,327,345         \$30         \$51,				. ,	
Ross Technology Corporation         \$0         \$26,637         \$26,637           Vibe, LLC (filds Johnson McCormick Technologies, LLC)         \$0         \$0         \$80,871         \$48,884           Samtec, Inc.         \$0         \$0         \$86,871         \$48,884           Schmidt Technology Corporation         \$0         \$0         \$14,371         \$5,577         \$1,663           Schutt North America, Inc.         \$0         \$0         \$20,476         \$1,4337         \$1,663           Schutt North America, Inc.         \$0         \$0         \$20,476         \$1,438         \$1,633           Schust Development, Inc.         \$0         \$0         \$25,677         \$257,677         \$257,677           Schutt North America, Inc.         \$0         \$0         \$22,646         \$0         \$24,8360         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,840         \$28,843         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,339         \$21,345         \$30         \$31,847,544         \$27,					
Vibe.LLC (ft/ka Johnson McCormick         \$0         \$0         \$3,206           Technologies, LLC)         \$0         \$0         \$3,206         \$3,206           S&S Processing, Inc.         \$0         \$0         \$1,320         \$3,406           Samtec, Inc.         \$0         \$0         \$1,43,371         \$5,443           Schuid Technology Corporation         \$0         \$0         \$2,62,476         \$1,438           Schuid Technology Corporation         \$0         \$0         \$2,608         \$0           Schuid Technology Corporation         \$0         \$0         \$2,608         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$2,608         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$22,7677         \$257,677           Somotik, Inc.         \$0         \$0         \$23,309         \$20,309           Signal Technologies, Inc.         \$0         \$0         \$23,309         \$20,309           Silberline Manufacturing Co., Inc.         \$0         \$0         \$435         \$0           Smart Structures, Inc.         \$0         \$0         \$435         \$0           Smart Structures, Inc.         \$0         \$0         \$435         \$0					
Technologies, LLC)         \$0         \$0         \$3,206         \$5,577         \$1,063         \$5,626         \$5,00         \$5,626         \$5,00         \$2,608         \$5,00         \$2,608         \$5,00         \$2,608         \$5,00			÷-	<i> </i>	<b>+</b>
S&S Processing, Inc.         \$0         \$0         \$86,871         \$48,847           Samtec, Inc.         \$0         \$0         \$14,471         \$55,484           Schmidt Technology Corporation         \$0         \$0         \$202,476         \$1,438           Schust Development, Inc.         \$0         \$0         \$202,476         \$1,438           Schust Development, Inc.         \$0         \$0         \$2,608         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$2,608         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$223,600         \$283,815         \$20         \$203         \$2		\$0	\$0	\$3,206	\$3,206
Samtec, Inc.         \$0         \$14,371         \$5,484           Schmidt Technology Corporation         \$0         \$0         \$5,577         \$1,063           Schust Development, Inc.         \$0         \$0         \$2,608         \$0           Schust Development, Inc.         \$0         \$0         \$2,608         \$0           Senus Disciences, Inc.         \$0         \$0         \$2,608         \$0           ServiceLink, Inc. (#/ka ServiceLink         \$0         \$0         \$27,845         \$28,860         \$28,360           Silmens Molecular Imaging, Inc.         \$0         \$0         \$22,7345         \$27,345         \$20,309					
Schmidt Technology Corporation         \$0         \$0         \$5,577         \$1,063           Schust North America, Inc.         \$0         \$0         \$202,476         \$1,438           Schust Devolopment, Inc.         \$0         \$0         \$26,608         \$0           ServiceLink, Inc.         (I/k/a ServiceLink         \$0         \$0         \$26,626         \$0           Valuation Solutions, LLC)         \$0         \$0         \$2257,677         \$257,677         \$257,677           Signal Technologies, Inc.         \$0         \$0         \$23,3215         \$0         \$0         \$20,309					
Schott North America, Inc.         \$0         \$0         \$202,476         \$1,438           Schust Development, Inc.         \$0         \$0         \$2,608         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$6,626         \$0           ServiceLink, Inc. (17k/a ServiceLink         \$0         \$0         \$2,608         \$257,677         \$257,677           ShowClix, Inc.         \$0         \$0         \$28,360         \$28,360         \$28,360         \$28,360         \$28,360         \$28,360         \$28,360         \$22,345         \$20,309         \$20,339         \$21,345         \$0         \$0         \$21,345         \$0         \$0         \$0         \$0					
Schust Development, Inc.         \$0         \$0         \$2,608         \$0           Seneb Biosciences, Inc.         \$0         \$0         \$6,626         \$0           Valuation Solutions, LLC)         \$0         \$0         \$257,677         \$257,677           ShowCilx, Inc.         \$0         \$0         \$23,215         \$0           Simens Molecular Imaging, Inc.         \$0         \$0         \$33,215         \$0           Signal Technologies, Inc.         \$0         \$0         \$227,345         \$27,376         \$25,677         \$0         \$0         \$16,516         \$6         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50         \$16,50 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Seneb Biosciences, Inc.         \$0         \$0         \$6,626         \$0           ServiceLink, Inc. (ft/k/a ServiceLink         \$0         \$0         \$257,677         \$257,677           ShowClix, Inc.         \$0         \$0         \$267,677         \$257,677         \$257,677           ShowClix, Inc.         \$0         \$0         \$28,360         \$28,360         \$28,360           Signal Technologies, Inc.         \$0         \$0         \$27,345         \$27,345         \$27,345           Silverstorm Technologies, Inc.         \$0         \$0         \$27,345         \$50         \$50           Smart Structures, Inc.         \$0         \$0         \$51,166         \$51,166         \$51,166           Sonitu, LLC (ft/k/a Sonitu         \$0         \$0         \$51,166         \$51,166         \$51,166           Spinworks, LLC         \$0         \$0         \$2,379         \$2,2379         \$2,2379         \$2,2379         \$2,237         \$2,379         \$2,237         \$2,00         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$2,237         \$2,379         \$					
ServiceLink, Inc. ( ffk/a ServiceLink         \$0         \$0         \$257,677         \$257,677           ShowClix, Inc.         \$0         \$0         \$28,360         \$28,360         \$28,360           Sigmal Technologies, Inc.         \$0         \$0         \$23,215         \$0           Silverstorm Technologies, Inc.         \$0         \$0         \$27,345         \$27,345           Silverstorm Technologies, Inc.         \$0         \$0         \$89,225         \$0           Smoth On, Inc.         \$0         \$0         \$21,379         \$2,379           Sonitu, LLC (ffk/a Sonitu         \$0         \$0         \$2,379         \$2,379           Pharmaceuticals, LLC)         \$0         \$0         \$2,377         \$0           SPD Electrical Systems, Inc.         \$0         \$0         \$11,570         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$16,626         \$15,626           SPX Corporation         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$31,875           ST Crosulting, LLC         \$0         \$0         \$32,872					
Valuation Solutions, LLC)         \$0         \$0         \$257,677         \$257,677           ShowClix, Inc.         \$0         \$0         \$28,360         \$28,360           Siemens Molecular Imaging, Inc.         \$0         \$0         \$33,215         \$0           Signal Technologies, Inc.         \$0         \$0         \$22,309         \$20,309           Silberline Manufacturing Co., Inc.         \$0         \$0         \$27,345         \$27,345           Silverstorm Technologies, Inc.         \$0         \$0         \$435         \$0           Smart Structures, Inc.         \$0         \$0         \$435         \$0           Smooth On, Inc.         \$0         \$0         \$11,570         \$0           SPD Electrical Systems, Inc.         \$0         \$0         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$44,488         \$42,830           ST Ericsson, Inc.         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$31,875         \$31,875           Struct Company (fk/a Strata Graphics, Inc.         \$0         \$0         \$33		ΨŬ	<b>\$</b> 5	<i>\\</i> 0,020	<b>~</b> 0
ShowClix, Inc.         \$0         \$0         \$28,360         \$28,360         \$28,360         \$28,360         \$28,360         \$28,360         \$33,215         \$0         \$0         \$33,215         \$0         \$0         \$20,309         \$22,309         \$22,309         \$22,309         \$22,309         \$27,345         \$27,345         \$27,345         \$27,345         \$27,345         \$27,345         \$27,345         \$27,345         \$27,345         \$0         \$0         \$89,225         \$0         \$0         \$89,225         \$0         \$0         \$87,186         \$5,187         \$5,177         \$0         \$0		0 <i>2</i>	02	\$257 677	\$257 677
Siemens Molecular Imaging, Inc.         \$0         \$0         \$33,215         \$0           Signal Technologies, Inc.         \$0         \$0         \$220,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$20,309         \$21,345         \$17,345         \$17,345         \$17,345         \$17,345         \$17,345         \$17,345         \$10         \$10         \$10         \$10         \$11,570         \$10         \$10         \$10         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$11,1570         \$0         \$15,626         \$14,040         \$18,040<					
Signal Technologies, Inc.         \$0         \$0         \$20,309         \$20,309           Silberline Manufacturing Co., Inc.         \$0         \$0         \$27,345         \$27,345           Silverstorm Technologies, Inc.         \$0         \$0         \$89,225         \$0           Silverstorm Technologies, Inc.         \$0         \$0         \$433         \$0           Smart Structures, Inc.         \$0         \$0         \$5,186         \$5,186           Somoth On, Inc.         \$0         \$0         \$11,570         \$0           Pharmaceuticals, LLC)         \$0         \$0         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SYX Corporation         \$0         \$0         \$64,498         \$44,830           STE Consulting, LLC         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$32,660         \$11,275           STMicroelectronics, Inc.         \$0         \$0         \$32,660         \$11,275           STMicroelectronics, Inc.         \$0         \$0         \$32,660         \$11,2					
Silberline Manufacturing Co., Inc.         \$0         \$0         \$27,345         \$27,345           Silverstorm Technologies, Inc.         \$0         \$0         \$89,225         \$0           Smart Structures, Inc.         \$0         \$0         \$435         \$0           Somoth On, Inc.         \$0         \$0         \$5,186         \$5,186           Sonitu, LLC ( <i>tlk/a</i> Sonitu         \$0         \$0         \$11,570         \$0           Pharmaceuticals, LLC)         \$0         \$0         \$2,377         \$0           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$2,234         \$00           ST Ericsson, Inc.         \$0         \$0         \$2,234         \$00           ST Consulting, LLC         \$0         \$0         \$13,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$3,260         \$1,229           Strata Company         \$0         \$0         \$3,7,394         \$12,940           Sungard Public					
Silverstorm Technologies, Inc.         \$0         \$0         \$89,225         \$0           Smart Structures, Inc.         \$0         \$0         \$435         \$0           Smooth On, Inc.         \$0         \$0         \$5,186         \$5,186           Sonitu, LLC (fl/ka Sonitu         \$0         \$0         \$11,570         \$0           Pharmaceuticals, LLC)         \$0         \$0         \$2,379         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0         \$0         \$2,577         \$0           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0         \$15,626         \$14,243         \$18,040         \$18,040         \$18,040         \$18,040         \$18,040         \$18,040         \$18,040         \$14,243         \$15,757         \$17,87					
Smart Structures, Inc.         \$0         \$0         \$435         \$0           Smooth On, Inc.         \$0         \$0         \$5,186         \$5,186           Sonitu, LLC ( <i>flk/a</i> Sonitu         \$0         \$0         \$11,570         \$0           Pharmaceuticals, LLC)         \$0         \$0         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$2,377         \$0           Spinworks, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$2,234         \$0           ST Ericsson, Inc.         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$32,260         \$12,291           Strata Company ( <i>flk/a</i> Strata Graphics, Inc.)         \$0         \$0         \$2,831         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sungard Public Sector, Inc.         \$0         \$0         \$5,007         \$5,007					
Smooth On, Inc.         \$0         \$0         \$5,186         \$5,186           Sonitu, LLC (f/k/a Sonitu         \$0         \$0         \$11,570         \$0           Pharmaceuticals, LLC)         \$0         \$0         \$2,379         \$2,379           SPD Electrical Systems, Inc.         \$0         \$0         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$2,234         \$0           ST Ericsson, Inc.         \$0         \$0         \$2,234         \$0           STC Consulting, LLC         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$32,872         \$2,872           Strata Company         \$0         \$0         \$32,871         \$49,989           Sungard Public Sector, Inc.         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations,         \$0         \$0         \$5,499         \$5,499					
Sonitu, LLC ( f/k/a Sonitu         \$0         \$0         \$0         \$11,570         \$0           Pharmaceuticals, LLC)         \$0         \$0         \$2,379         \$2,577         \$0         \$0         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$515,626         \$517,629         \$51,81,640         \$51,81,640         \$51,81,640         \$51,81,640         \$51,816         \$51,626         \$517,529         \$51,229         \$51,229         \$51,077         \$5,007         \$5,007<					
Pharmaceuticals, LLC)         \$0         \$0         \$11,570         \$0           SPD Electrical Systems, Inc.         \$0         \$0         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$64,498         \$42,830           ST Ericsson, Inc.         \$0         \$0         \$64,498         \$42,830           STC Consulting, LLC         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$32,872         \$2,872           Strata Company (ft/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$0         \$37,394         \$12,940           Sungard Public Sector, Inc.         \$0         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$5,7299         \$5,7299         \$5,7299         \$5,7499		ቃዐ	<b>۵</b> ۵	\$3,180	\$3,180
SPD Electrical Systems, Inc.         \$0         \$0         \$2,379         \$2,379           SpectrumCo, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$2,234         \$0           ST Ericsson, Inc.         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$31,875         \$31,875           Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$0         \$37,394         \$12,940           Sungard Public Sector, Inc.         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$57,299         \$57,299           Synergis Technologies, Inc.         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$57,299         \$57,299           Synergis Technologies, Inc.         \$0 </td <td>•</td> <td>¢o</td> <td>¢o</td> <td>¢44 570</td> <td>¢o</td>	•	¢o	¢o	¢44 570	¢o
SpectrumCo, LLC         \$0         \$0         \$2,577         \$0           Spinworks, LLC         \$0         \$0         \$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$15,626         \$\$\$15,626         \$\$\$15,626         \$\$\$15,626         \$\$\$\$15,626         \$	· · · · · · · · · · · · · · · · · · ·				
Spinworks, LLC         \$0         \$0         \$15,626         \$15,626           SPX Corporation         \$0         \$0         \$64,498         \$42,830           ST Ericsson, Inc.         \$0         \$0         \$2,234         \$0           STC Consulting, LLC         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$3,260         \$1,229           Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$37,394         \$12,940           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Suny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$5,301         \$330           Synergis Technologies, Inc.         \$0         \$0         \$37,394         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$5,499					
SPX Corporation         \$0         \$0         \$64,498         \$42,830           ST Ericsson, Inc.         \$0         \$0         \$2,234         \$0           STC Consulting, LLC         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$32,260         \$1,229           Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$37,394         \$12,940           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$5,007         \$5,007           Supreme Mid-Atlantic Corp.         \$0         \$0         \$5,499         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Technologies, Inc.         \$					Ŧ -
ST Ericsson, Inc.         \$0         \$0         \$2,234         \$0           STC Consulting, LLC         \$0         \$0         \$18,040         \$11,229         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$31,875         \$\$31,875 <td></td> <td></td> <td></td> <td></td> <td></td>					
STC Consulting, LLC         \$0         \$0         \$18,040         \$18,040           Stein Seal Company         \$0         \$0         \$31,875         \$331,875           STMicroelectronics, Inc.         \$0         \$0         \$3,260         \$1,229           Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$8,391         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$5,007         \$5,007           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0					
Stein Seal Company         \$0         \$0         \$31,875         \$31,875           STMicroelectronics, Inc.         \$0         \$0         \$3,260         \$1,229           Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$8,391         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synergis Technologies, Inc.         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0					
STMicroelectronics, Inc.         \$0         \$0         \$3,260         \$1,229           Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$8,391         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$0 <t< td=""><td></td><td>· · · ·</td><td></td><td></td><td></td></t<>		· · · ·			
Strata Company (f/k/a Strata Graphics, Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$0         \$8,391         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,300         \$530           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TOL Ceramics, Inc.         \$0         \$0         \$4,					
Inc.)         \$0         \$0         \$2,872         \$2,872           Strobic Air Corporation         \$0         \$0         \$8,391         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$14,657         \$44,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$46,653         \$44,653	STMicroelectronics, Inc.	\$0	\$0	\$3,260	\$1,229
Strobic Air Corporation         \$0         \$0         \$0         \$8,391         \$6,989           Sungard Public Sector, Inc.         \$0         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TOI Ceramics, Inc.         \$0         \$0         \$4,653         \$44,653	Strata Company (f/k/a Strata Graphics,				
Sungard Public Sector, Inc.         \$0         \$0         \$37,394         \$12,940           Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$4,653         \$44,653           TDY Industries, LLC         \$0         \$0         \$4,653         \$44,653	Inc.)			\$2,872	\$2,872
Sunny Dell Foods, Inc.         \$0         \$0         \$5,007         \$5,007           Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$530         \$530           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TOI Ceramics, Inc.         \$0         \$0         \$106,302         \$0           TOY Industries, LLC         \$0         \$0         \$4,653         \$44,653		\$0	\$0	\$8,391	\$6,989
Super Abrasive Machine Innovations, LLC         \$0         \$0         \$57,299         \$57,499         \$54,99         \$54,99         \$54,99         \$57,499         \$53.0         \$10,503         \$40,657         \$10         \$10         \$10         \$10         \$10         \$10,563         \$44,657         \$10         \$10         \$10,140         \$10,140         \$10,140         \$10,140         \$10,140         \$10,140         \$10,140         \$10,140         \$10,140         \$10,140 </td <td>Sungard Public Sector, Inc.</td> <td>\$0</td> <td>\$0</td> <td>\$37,394</td> <td>\$12,940</td>	Sungard Public Sector, Inc.	\$0	\$0	\$37,394	\$12,940
LLC         \$0         \$0         \$57,299         \$57,299           Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$44,653         \$44,653           TDY Industries, LLC         \$0         \$0         \$44,653         \$44,653	Sunny Dell Foods, Inc.	\$0	\$0	\$5,007	\$5,007
Supreme Mid-Atlantic Corp.         \$0         \$0         \$2,042         \$766           Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499           Synerge, LLC         \$0         \$0         \$530         \$530           Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$44,653         \$44,653           TDY Industries, LLC         \$0         \$0         \$44,653         \$44,653	Super Abrasive Machine Innovations,				
Sweet Ovations, LLC         \$0         \$0         \$5,499         \$5,499         \$5,499         \$5,499         \$5,499         \$5,499         \$5,499         \$5,300         \$530	LLC	\$0	\$0	\$57,299	\$57,299
Synerge, LLC         \$0         \$0         \$530	Supreme Mid-Atlantic Corp.	\$0	\$0	\$2,042	\$766
Synergis Technologies, Inc.         \$0         \$0         \$15,597         \$4,783           Tactical Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$4,653         \$44,653	Sweet Ovations, LLC	\$0	\$0	\$5,499	\$5,499
Tactical Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$4,653         \$44,653	Synerge, LLC	\$0	\$0	\$530	\$530
Tactical Technologies, Inc.         \$0         \$0         \$871         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$4,653         \$44,653	Synergis Technologies, Inc.	\$0	\$0	\$15,597	\$4,783
Tait Farm Foods, Inc.         \$0         \$0         \$47         \$0           Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$44,653         \$44,653	Tactical Technologies, Inc.	\$0	\$0	\$871	\$0
Tait Towers, Inc.         \$0         \$0         \$180,563         \$40,657           Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$4,653         \$46,653	Tait Farm Foods, Inc.				\$0
Taktl, LLC         \$0         \$0         \$106,302         \$0           TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$4,653         \$4,653	Tait Towers, Inc.				
TCI Ceramics, Inc.         \$0         \$0         \$55,484         \$10,140           TDY Industries, LLC         \$0         \$0         \$4,653         \$4,653					\$0
TDY Industries, LLC \$0 \$0 \$4,653 \$4,653					
	Tetralogic Pharmaceuticals Corporation	\$0 \$0	\$0	\$84,809	\$10,629

	2013 Credit	2013 Credit	2012 & 2011	2012 & 2011
Taxpayer Name	Awarded	Utilized <sup>1</sup>	Credit Awarded	Credit Utilized <sup>1</sup>
Teva Pharmaceuticals USA, Inc.	\$0	\$0	\$140,108	\$140,108
The Beistle Company	\$0	\$0	\$4,126	
The Boeing Company	\$0	\$0	\$1,987,913	
The Fredericks Company	\$0	\$0	\$429	
The Loomis Company	\$0	\$0	\$357	\$357
The Vanguard Group. Inc.	\$0	\$0	\$1,163,794	\$1,163,794
Third Eye Diagnostics, Inc.	\$0	\$0	\$78,353	\$78,353
Thomas Erie, Inc.	\$0	\$0	\$1,617	\$1,617
Titan International, Inc.	\$0	\$0	\$57,233	\$23,599
TM Industrial Supply, Inc.	\$0	\$0	\$2,158	\$2,158
Touchtown, Inc.	\$0	\$0	\$71,301	\$68,879
Towercare Technologies, Inc.	\$0	\$0	\$6,928	\$6,928
TOXCO, Inc.	\$0	\$0	\$43,854	\$19,631
TPLZ, LLC (f/k/a IGD Systems, LLC)	\$0	\$0	\$26,681	\$26,681
Trimetric Enterprises, Inc.	\$0	\$0	\$2,723	\$2,723
Two Technologies, Inc.	\$0	\$0	\$49,567	\$65
Universal Refractories, Inc.	\$0	\$0	\$3,180	\$459
Verizon Services Organization, Inc.	\$0	\$0	\$5,851	\$1,671
Vertex, Inc.	\$0	\$0	\$38,173	\$38,173
Vertical Screen, Inc.	\$0	\$0	\$15,149	\$0
Video Display Corporation	\$0	\$0	\$5,895	\$4,281
Videon Central, Inc.	\$0	\$0	\$9,732	\$9,732
W.W. Patterson Company	\$0	\$0	\$1,105	\$1,105
Wabtec Corporation	\$0	\$0	\$4,663	\$4,663
Wampole Miller, Inc.	\$0	\$0	\$30,910	\$0
Washington Penn Plastic Co., Inc.	\$0	\$0	\$82,657	\$48,362
Watson Standard Adhesives Company	\$0	\$0	\$13,112	\$0
Watson Standard Company	\$0	\$0	\$2,995	\$2,995
Weaver Industries, Inc.	\$0	\$0	\$2,508	\$2,508
Weiler Corporation Inc.	\$0	\$0	\$4,030	\$3,614
White Engineering Surfaces Corporation	\$0	\$0	\$21,922	\$21,922
Whitford Corporation	\$0	\$0	\$16,900	\$16,900
World Electronics Sales and Service, Inc.	\$0	\$0	\$4,361	\$3,350
Y-Carbon, Inc.	\$0	\$0	\$53,342	\$53,342
York Container Company	\$0	\$0	\$8,810	\$8,810
Z Band Video, Inc.	\$0	\$0	\$11,637	\$11,269
Z-Axis Connector Company	\$0	\$0	\$13,027	\$208
Zulama, LLC	\$0	\$0	\$29,673	\$0
TOTAL	\$55,000,000	\$0	\$110,000,000	\$63,251,786

#### Footnote:

<sup>1</sup> "Utilized" means that the tax credit has been applied in full or partial payment of a tax liability according to the records of the Department. If no tax liability exists for the tax and period where the credit has been applied or if previous tax credits exceed the tax liability, the utilized amount is shown as zero. Until a tax year has been closed, it is possible that the tax credits indicated as being utilized may still be transferred, sold or assigned at the option of the taxpayer. Pass through credits and unused credits that were sold or assigned are also included as utilized.