Report to the Pennsylvania General Assembly on the Research and Development (R&D)

Tax Credit



The Pennsylvania Department of Revenue

Bureau of Research

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.¹

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.

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

History of R&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 ²	2011 - 2016	\$55.0 million	\$11.0 million				
Act 85 of 2012 ³	Sunset Date Repealed	Unchanged	Unchanged				

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

¹ Public Law 99-514, 26 U.S.C. § 41.

² The prior sunset date was established by Act 116 of 2006.

³ Act 85 of 2012 repealed the sunset date for the R&D tax credit.

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 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 2012, 2013 and 2014, 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." 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. 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

⁴ "Research and Development Tax Credit Assignment Program Guidelines," DCED, September 2004.

⁵ "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.

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.

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 2015, \$73.1 million of the \$398.0 million R&D tax credit awarded between December 2003 and December 2013 (i.e., 18.4 percent of the \$398.0 million) has been sold or assigned. Purchasers of those unused tax credits have paid \$68.6 million for them in total, or 93.8 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

(\$millions)			Number of		
Credit Awarded In	R&D Credit Awarded	Unused Tax Credits Sold/Assigned	Number of Taxpayers Selling/Assigning Unused Credit	Unused Tax Credits Sold For	Percent of Value Unused Tax Credits Sold For
Dec 2003	\$15.0	\$ 1.3	18	\$ 1.2	91.4%
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	73	\$ 8.2	94.0%
Dec 2007	\$40.0	\$ 8.9	88	\$ 8.6	95.8%
Dec 2008	\$40.0	\$10.7	119	\$10.2	95.3%
Dec 2009	\$20.0	\$ 4.9	102	\$ 4.6	93.6%
Dec 2010	\$18.0	\$ 2.8	103	\$ 2.6	93.5%
Dec 2011	\$55.0	\$12.9	104	\$12.0	93.0%
Dec 2012	\$55.0	\$ 4.0	104	\$3.7	91.9%
Dec 2013	\$55.0	\$ 6.0	112	\$5.6	92.5%
TOTAL	\$398.0	\$73.1		\$68.6	93.8%

R&D Tax Credit Claimed and Awarded in Pennsylvania for December 2014

Table 3 shows the amount of R&D tax credit awarded by the Department in 2014 for qualified research expenditures made by taxpayers in Pennsylvania in taxable year 2013. Without the \$55 million cap, \$87.5 million in credit would have been awarded to 765 taxpayers. 75.4 percent of approved taxpayers received an R&D tax credit of less than \$50,000, receiving 15.3 percent of the total amount of approved credit. Taxpayers

with an approved R&D tax credit of \$50,000 or more claimed 84.7 percent of the approved credit amount. The 188 taxpayers receiving \$50,000 or more in credit represented 24.6 percent of the total number of applicants.

Table 3. Pennsylvania Research & Development Tax Credit Program
Tentative and Actual Credit for Tax Year 2014⁶

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Actual Credit Range	Number of Applicants	Percent of Applicants	Tentative Credit Amount	Actual Credit Amount	Percent of Actual Credit
\$0 - \$4,999	147	19.2%	\$468,026	\$332,065	0.6%
\$5,000 - \$19,999	270	35.3%	\$4,175,466	\$2,962,128	5.4%
\$20,000 - \$49,999	160	20.9%	\$6,998,892	\$5,133,726	9.3%
\$50,000 - \$99,999	97	12.7%	\$9,707,322	\$6,810,568	12.4%
\$100,000 - \$499,999	70	9.2%	\$19,361,597	\$12,539,054	22.8%
\$500,000 - \$999,999	14	1.8%	\$16,243,045	\$9,612,489	17.5%
\$1,000,000 & greater	7	0.9%	\$30,557,083	\$17,609,970	32.0%
TOTAL	765	100%	\$87,511,431	\$55,000,000	100%

Table 4 details the tentative amount of R&D tax credit awarded by the Department for each year through December 2014.

Table 4. Pennsylvania Research and Development Tax Credit Program
Total Tentative Tax Credit Awarded By Year, 1997-2014

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	Dec 2014	765	\$87,511,431

From its inception through December 2014, the R&D tax credit program has awarded a total of \$543 million in tax credit to 2,263 different taxpayers. In December 2014, 765 taxpayers were awarded the R&D tax credit, the most ever in one year. Without any caps on annual awards, \$1,446.4 million in R&D tax credit would have been awarded to those same 2,263 taxpayers. Over the years, the varying annual credit caps have reduced the amount of R&D tax credit that would have been awarded to 37.5 percent of what was requested.

Table 5 presents the R&D tax credit awarded in December 2014 by business type.

⁶ Detail may not add up due to rounding; 99 other applicants were rejected and did not receive any credit.

Table 5. Pennsylvania Research and Development Tax Credit Program
Actual Credits by Business Type in 2014

Business Type	Number of Taxpayers	Percent of Taxpayers	Actual Credit Amount	Percent of Actual Credit
Manufacturing	410	53.6%	\$35,739,578	65.0%
Services	253	33.1%	\$12,229,081	22.2%
Misc. ⁷	102	13.3%	\$7,031,341	12.8%
TOTAL	765	100%	\$55,000,000	100%

Manufacturers represented 53.6 percent of the taxpayers receiving the tax credit in 2014, claiming 65.0 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; 21 pharmaceutical manufacturers requesting credit were awarded \$17.0 million in credit. In the Services sector, the largest group of credit recipients was designers of computer system services, with 67 recipients receiving \$3.4 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 2014. As noted earlier, "small" businesses are those with net book assets of less than \$5 million.

Table 6. Pennsylvania Research and Development Tax Credit Program
Small and Not Small Businesses in 2014

					Percent of
	Number of	Percent of	Tentative	Actual	Actual
Business Size	Applicants	Applicants	Credit Amount	Credit Amount	Credit
Small	332	43.4%	\$10,801,091	\$10,801,091	19.6%
Not Small	433	56.6%	\$76,710,340	\$44,198,909	80.4%
TOTAL	765	100%	\$87,511,431	\$55,000,000	100%

In December 2014, "small" businesses claimed \$10.8 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 \$9.4 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 57.6 percent of the requested amount in December of 2014. Last year, the "not small" businesses received 53.6 percent of the amount of credit they requested in December 2013.

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 2014.

⁷ 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.

Table 7. Pennsylvania Research and Development Tax Credit Program Small Business Set Aside By Year, 1997-2014

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Credit	Number of	Tentative	Actual				
Awarded In	Applicants	Credit Amount	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				
Dec 2014	332	\$10,801,091	\$10,801,091				

"Small businesses" have been awarded \$79.5 million of the \$89.1 million in R&D tax credits that they have applied for since the inception of the R&D tax credit program; they have received 89.2 percent of the total amount of tax credits for which they applied. A total of \$108.6 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 2012. 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 2015.

Table 8 shows the distribution of the R&D tax credits that have been applied to specific tax years. As of February 2015, 84.0 percent of the \$433 million in R&D tax credit that has been awarded for 1997 through 2012 has been applied to specific tax periods. 43.0 percent of the credit awarded has been applied against the CSFT; 51.8 percent has been applied against the CNIT; 5.1 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 assessment or the application of other credits.

Table 8. Pennsylvania Research and Development Tax Credit Program Application by Tax Type and Taxable Year, 1997-2012

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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	\$8,017,589	62	\$5,389,831	218	\$487,586	169
2003	\$7,749,060	59	\$7,713,787	217	\$337,985	154
2004	\$15,162,068	73	\$7,660,520	243	\$713,456	169
2005	\$11,332,669	65	\$12,462,743	294	\$1,389,912	179
2006	\$16,886,819	83	\$15,402,779	311	\$2,679,623	235
2007	\$15,206,629	103	\$13,475,953	368	\$1,799,924	236
2008	\$14,963,882	111	\$11,868,894	411	\$1,327,515	306
2009	\$18,989,432	91	\$11,899,852	467	\$1,460,930	211
2010	\$22,008,058	110	\$13,881,526	506	\$1,334,225	187
2011	\$21,787,168	127	\$15,270,719	521	\$1,888,433	256
2012	\$14,927,296	140	\$12,596,824	516	\$2,821,960	292
TOTAL	\$188,468,615		\$156,465,859		\$18,717,932	

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 2015, of the \$15.0 million awarded to 292 taxpayers in December 1997, approximately \$250,000 has not yet been used. This amounts to 1.7 percent of the total amount of R&D tax credits awarded. It is still possible that this amount of tax credit 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 2012 (the latest year for which reports are available for all taxpayers) for taxpayers receiving the R&D tax credit in 2014. 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.

Table 9. Pennsylvania Research and Development Tax Credit Program Taxable Year 2012 Tax Liabilities by Business Type

Business Type	2012 CSFT Liability	2012 CNIT Liability
Manufacturing	\$10,760,782	\$55,782,655
Services	\$ 4,495,143	\$10,808,724
Misc.	\$ 2,565,036	\$11,096,708
TOTAL	\$17,820,961	\$77,688,087

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 2014 to the total tax year 2012 self-assessed CNIT and CSFT liabilities⁸. Of the 765 taxpayers receiving the R&D tax credit in 2014 that are subject to the CNIT or CSFT, their total self-assessed 2012 tax year CNIT and CSFT liabilities totaled \$95.4 million. Though there are obviously varied ratios per individual taxpayer, the \$55 million in tax credit awarded in 2014 represented 57.6 percent of the total self-assessed tax amount for tax year 2012, while the \$87.5 million in tax credit requested represented 91.7 percent of the total self-assessed tax amount for tax year 2012.

The total 2012 CSFT liability for S corporations and LLCs receiving the R&D tax credit in 2014 was \$2.6 million. Out of the 229 Pennsylvania S corporations or LLCs, 80 had a CSFT liability of zero for 2012. The total 2012 CSFT liability for C corporations receiving the R&D tax credit in 2014 was \$15.2 million. Out of the 536 C corporations, 172 had a CSFT liability of zero for 2011.

The 536 C corporations receiving the tax credit in 2014 and subject to the CNIT had a total taxable year 2012 CNIT liability of \$74.0 million. Of these companies, 384 were C corporations with a taxable year 2012 CNIT liability equal to zero, due to negative net income in taxable year 2012. 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.

⁸ 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, 2014.

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 2011⁹, the total amount of R&D expenditures in Pennsylvania by private industry had risen to \$9,718 million. This was an increase over the 17 year period of 82.3 percent. Over the same period, total R&D expenditures by private industry in the United States had risen by 109.9 percent to a level of \$277,243 million. For 2011, R&D expenditures in Pennsylvania by private industry were 3.5 percent of total R&D expenditures by private industry in the United States. Pennsylvania ranked 9th 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 765 R&D tax credit applicants in 2014 had total Pennsylvania R&D expenditures in 2013 of \$3,656.5 million. Not all R&D done by industry in Pennsylvania is performed by R&D tax credit applicants.

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 average marginal incentive of between 6.4 to 7.3 percent. In other words, the federal R&D tax credit stimulated

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

an additional amount of research spending in the United States of between 6.4 percent to 7.3 percent at the business level. 10

A study released in September 2011¹¹ 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. ¹²

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 2014, \$67.8 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. 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 seventeen years, 1997 through 2013. 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. Some observations can be made about the effectiveness of the Pennsylvania R&D tax credit over the life of its existence.

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 strongly in 2009 to grow by 13.7 percent according to NSF data.

Over the lifetime of the R&D tax credit program, 2,263 different taxpayers have been awarded some amount of the total \$543 million in tax credit awarded between 1997 and 2014. 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.

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

¹¹ "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.

¹² CCH Incorporated, Multistate Charts, ¶680-200 Credits for Investment/Research Activities.

¹³ Companies with 225 employees or less may sell unused R&D tax credits in New Jersey.

Of the 765 taxpayers receiving the R&D tax credit in 2014, 229 were either Pennsylvania S corporations, LLCs, LLPs (limited liability partnerships) or individuals and 536 were C corporations. The S corporations, LLCs, LLPs or individuals received \$12.0 million in R&D tax credit, while the C corporations received \$43.0 million.

The 765 taxpayers claiming the R&D tax credit in 2014 had total Pennsylvania research expenditures in taxable year 2013 of \$3,565.5 million. This was 24.9 percent increase compared to their total Pennsylvania research expenditures in taxable year 2012 of \$2,925.2 million.

Impact on Not Small Businesses

Out of the 765 taxpayers receiving the tax credit in 2014, 433 did not qualify as "small" businesses. Their total Pennsylvania research expenditures in taxable year 2013 were \$3,497.6 million, a 23.3 percent increase over their taxable year 2012 Pennsylvania research expenditures of \$2,836.3 million. They received \$44.2 million in R&D tax credit in December 2014.

Of the 433 "not small" businesses, 404 increased their Pennsylvania research expenditures in taxable year 2013 over taxable year 2012 by 27.5 percent in the aggregate. Their Pennsylvania research expenditures in taxable year 2013 rose to \$3,233.4 million from \$2,535.6 million in taxable year 2012. Only 29 of these businesses reduced their Pennsylvania research expenditures over the same period. Their Pennsylvania research expenditures in taxable year 2013 declined by 12.1 percent to \$264.2 million from \$300.7 million in taxable year 2012.

Impact on Small Businesses

Out of the 765 taxpayers receiving the tax credit in 2014, 332 were "small" businesses. Their total Pennsylvania research expenditures in taxable year 2013 were \$156.9 million, a 76.4 percent increase over their taxable year 2012 Pennsylvania research expenditures of \$88.9 million.

The 332 "small" businesses received \$10.8 million in R&D tax credit of the \$11.0 million set aside for them in December 2014.

Of the 332 "small" businesses, 319 increased their Pennsylvania research expenditures in taxable year 2013 over taxable year 2012 by 88.0 percent in the aggregate. Their Pennsylvania research expenditures in taxable year 2013 rose to \$147.6 million from \$78.5 million in taxable year 2012. Only 13 "small" businesses reduced their Pennsylvania research expenditures over the same period. Their Pennsylvania research expenditures in taxable year 2013 declined by 10.7 percent to \$9.3 million from \$10.4 million in taxable year 2012.

Impact on First Time Claimants and New Companies

In 2014, 184 taxpayers were awarded the tax credit for the first time, claiming \$5.2 million in credit. Their Pennsylvania research expenditures totaled \$222.8 million for taxable year 2013. Conversely, 189 taxpayers that claimed the tax credit in 2013 did not receive any credit in 2014. These 189 taxpayers had Pennsylvania research expenditures in taxable year 2012 of \$989.4 million and claimed \$19.8 million in tax credit in 2013.

Of all the taxpayers claiming the R&D tax credit in 2014, 392 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 \$34.6 million in tax credit in 2014 and had total Pennsylvania research expenditures in taxable year 2013 of \$2,144.8 million, a 20.3 percent increase from their Pennsylvania research expenditures in taxable year 2012 of \$1,782.2 million.

The 392 recently incorporated companies had a total taxable year 2012 CSFT liability of \$7.5 million; 176 taxpayers had zero tax liability. The 392 new companies had a total taxable year 2012 CNIT liability of \$29.4 million; 329 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 185 taxpayers for which the Department has tracked Pennsylvania research expenditures for the last ten taxable years, from 2004 through 2013. This group of credit recipients has received \$79.0 million in total tax credit from 1997 through 2014, or 14.8 percent of the total \$533 million awarded over eighteen years. These 185 companies represent 63.4 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 185 taxpayers, their 2013 Pennsylvania R&D expenditures totaled \$1,035.9 million. This is an aggregate growth rate of 112.3 percent over their 2004 Pennsylvania R&D expenditures of \$487.9 million; between 2004 and 2013, the Pennsylvania R&D expenditures for these 185 taxpayers grew at a compound annual growth rate of 8.7 percent.

These 185 taxpayers were awarded about \$14.5 million in R&D tax credit in 2014, 26.3 percent of the total amount of R&D tax credit awarded in December 2014. This credit amount was 1.4 percent of their total amount of Pennsylvania research expenditures in taxable year 2013. 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 185 established taxpayers had a total CSFT liability for taxable year 2012 of \$5.3 million and a total CNIT liability for taxable year 2012 of \$43.8 million.

Chart 1 graphically shows the Pennsylvania R&D expenditures for the 185 established taxpayers for the last ten taxable years, 2004 through 2013.

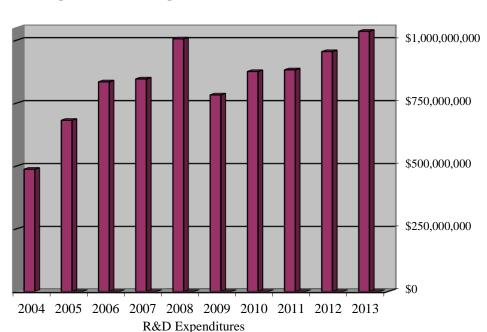


Chart 1. Pennsylvania R&D Expenditures by Year for 185 Established Companies With PA Expenditure Data Between 2004 and 2013

This chart graphically demonstrates the effect of the most recent economic recession on R&D expenditures in Pennsylvania for the 185 taxpayers included in the data. The R&D expenditures in Pennsylvania for these 185 taxpayers grew by 18.8 percent in 2008. However, due in part to the recession, the growth in their Pennsylvania R&D expenditures in 2009 sharply dropped by 22.1%, when compared to 2008. Their Pennsylvania R&D expenditures bounced back in 2010, growing by 11.9 percent, and resumed steady growth in 2012 and 2013, expanding by 8.2 percent and 8.5 percent respectively.

Small versus Not "Small"

Of the 185 taxpayers, 118 did not qualify as "small" businesses. They received \$68.6 million in tax credit over the eighteen years of the program. Their 2013 Pennsylvania R&D expenditures totaled \$991.4 million. This is an aggregate growth rate of 106.8 percent over their 2004 Pennsylvania R&D expenditures of \$479.4 million; between 2004 and 2013, the Pennsylvania R&D expenditures for these 118 taxpayers grew at a compound annual growth rate of 8.4 percent.

Of the 185 taxpayers, there were 67 "small" businesses that received \$10.4 million in tax credit over the eighteen years of the program. Their 2013 Pennsylvania R&D expenditures totaled \$44.5 million. This is an aggregate growth rate of 422.0 percent over their 2004 Pennsylvania R&D expenditures of \$8.5 million; between 2004 and 2013, the Pennsylvania R&D expenditures for these 67 taxpayers grew at a compound annual growth rate of 20.2 percent.

By Industry Type

Of the 185 taxpayers, 102 were classified as manufacturers. They received \$56.7 million in tax credit over the eighteen years of the program. Their 2013 Pennsylvania R&D expenditures totaled \$821.5 million. This is an aggregate growth rate of 106.5 percent over their 2004 Pennsylvania R&D expenditures of \$397.8 million; between 2004 and 2013, the Pennsylvania R&D expenditures for these 102 taxpayers grew at a compound annual growth rate of 8.4 percent.

Of the 185 taxpayers, there were 83 non-manufacturing businesses that received \$22.3 million in tax credit over the eighteen years of the program. Their 2013 Pennsylvania R&D expenditures totaled \$214.5 million. This is an aggregate growth rate of 138.0 percent over their 2004 Pennsylvania R&D expenditures of \$90.1 million; between 2004 and 2013, the Pennsylvania R&D expenditures for these 83 taxpayers grew at a compound annual growth rate of 10.1 percent.

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

When all 765 taxpayers receiving the R&D tax credit in 2014 were examined, "small" businesses increased their Pennsylvania research expenditures in taxable year 2013 more than "not small" businesses. However, the Pennsylvania research expenditures for "small" businesses were only 4.3 percent of the total Pennsylvania research expenditures in taxable year 2013. The overwhelming majority of Pennsylvania research expenditures continue to be made by taxpayers not classified as "small" businesses.

Of the 185 taxpayers examined for whom the Department has tracked Pennsylvania research expenditures for the last ten taxable years, for 2004 through 2013, 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 eighteen 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 2014, 765 companies were awarded credits, receiving the capped amount of \$55 million, or 62.8 percent of the amount requested.
- In the absence of a cap, \$87.5 million in tax credits would have been awarded.
- In tax year 2013, the 765 companies awarded the R&D tax credit in 2014 had total Pennsylvania research expenditures of \$3,656.5 million.
- Manufacturing firms, particularly pharmaceutical manufacturers, continue to be the primary beneficiaries of the R&D tax credit.
- "Small" businesses claimed \$10.8 million of the \$11.0 million in R&D tax credit set aside for them in December 2014.
- As of February 2014, a total of \$73.1 million in unused R&D tax credits have been sold or assigned from tax credits awarded from December 2003 through December 2013; \$68.6 million was paid for the unused credit, or 93.8 percent of the value of the unused credits.
- The R&D tax credit program has awarded a total of \$533 million in tax credit to 2,263 different taxpayers over the life of the program thus far. Without the caps on annual awards, a total of \$1,494.8 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 36.3 percent of the requested amount.

APPENDIX A

Table 1. Pennsylvania Research & Development Tax Credit Program

Taxpayers Receiving Credit in December 2014, 2013 and 2012 in Dollars

Sorted by 2014 Credit Awarded (Largest to Smallest)

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Teva Branded Pharmaceutical Products				
R&D, Inc.	\$6,118,950	\$0	\$6,389,351	\$6,124,722
GlaxoSmithKline, LLC (f/k/a SmithKline				
Beecham Corporation)	\$3,353,317	\$0	\$6,604,762	\$2,588,818
PPG Industries, Inc.	\$2,389,498	\$0	\$783,254	\$444,519
Janssen Research & Development, LLC (f/k/a				
J&J Pharmaceutical Research &	60 007 00 5	¢o.	#0.000.040	\$404.4CE
Development LLC)	\$2,207,905	\$0	\$8,929,612	\$101,465
Seneca Resources Corporation	\$1,395,095	\$0	\$1,199,887	\$786,694
Novartis Pharmaceuticals Corporation	\$1,144,884	\$0	\$0	\$0
Mack Trucks, Inc.	\$1,000,321	\$0	\$0	\$0
Sanofi Pasteur, Inc.	\$957,730	\$0	\$819,282	\$819,282
Shire US Holdings, Inc.	\$914,646	\$0	\$255,775	\$0
CNH Industrial America, LLC (f/k/a CNH				
America, LLC)	\$897,163	\$0	\$1,863,674	\$634,466
Cisco Systems, Inc.	\$722,430	\$0	\$272,593	\$0
United States Steel Corporation	\$697,470	\$0	\$620,203	\$267,914
Cyoptics, Inc.	\$679,133	\$0	\$471,531	\$1,137
International Business Machines Corporation	\$665,218	\$0	\$199,462	\$0
SEI Global Services, Inc.	\$642,392	\$0	\$0	\$0
Amgen, Inc.	\$608,537	\$0	\$0	\$0
Lockheed Martin Corporation	\$600,273	\$0	\$1,153,320	\$1,153,320
Omnyx, LLC	\$593,963	\$0	\$326,702	\$326,702
CSL Behring, LLC	\$574,748	\$0	\$688,553	\$57,102
General Electric Company	\$557,873	\$0	\$1,568,021	\$243,101
Discovery Laboratories, Inc.	\$500,913	\$0	\$272,334	\$272,334
Respironics, Inc.	\$472,488	\$0	\$308,883	\$0
Auxilium Pharmacueticals, Inc.	\$426,723	\$0	\$465,755	\$22,314
JLG Industries, Inc.	\$344,482	\$0	\$0	\$0
SAP America, Inc.	\$342,684	\$0	\$137,688	\$98,186
Greene, Tweed & Co., Inc.	\$341,071	\$0	\$470	\$470
Sanofi US Services, Inc.	\$314,989	\$0	\$0	\$0
Siemens Medical Solutions USA, Inc.	\$304,466	\$0		
York International Corporation	\$303,643	\$0	\$0	\$0
Kennametal, Inc.	\$285,077	\$0	\$331,665	\$107,810
Trevena, Inc. (f/k/a Parallax, Inc.)	\$266,672	\$0	\$401,423	\$401,423
Coldlight Solutions, LLC	\$263,713	\$0	\$98,444	\$98,444
Adminovate, Inc.	\$257,846	\$0	\$0	\$0
NetApp, Inc. (f/k/a Network Appliance, Inc.)	\$253,927	\$0	\$706,536	\$238,185
Lord Corporation	\$248,050	\$0	\$329,374	\$14,628
Globus Medical, Inc.	\$243,610	\$0		\$406,309
Texas Instruments Incorporated	\$224,019	\$0		\$254,687
GE Betz, Inc.	\$211,849	\$0	\$398,733	\$33,193
Sensor and Antenna Systems, Lansdale, Inc.	\$208,714	\$0	\$0	\$0
The Hershey Company	\$203,158	\$0	\$516,857	\$516,857

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
ThingWorx, Inc.	\$198,442	\$0	\$128,201	\$128,201
Comcast Corporation	\$183,052	\$0	\$590,759	\$29,104
Netronome Systems, Inc.	\$180,619	\$0	\$52,358	\$767
Novo Nordisk, Inc.	\$178,257	\$0	\$308,298	\$308,298
Renmatix, Inc.	\$176,495	\$0	\$0	\$0
RB Distribution, Inc.	\$175,062	\$0	\$249,702	\$127,509
Pasco Tool & Plastics, Inc.	\$173,746	\$0	\$15,076	\$15,076
Future POS, Inc. (f/k/a Cutting Edge	·		·	
Solutions, Inc.)	\$168,631	\$0	\$31,530	\$31,530
Industrial Scientific Corporation	\$167,225	\$0	\$135,164	\$135,164
GE Energy Power Conversion USA, Inc. (f/k/a	·			
Converteam, Inc.)	\$166,022	\$0	\$0	\$0
Cognition Therapeutics, Inc.	\$165,759	\$0	\$424,940	\$424,900
Solvay USA, Inc. (f/k/a Rhodia, Inc.)	\$165,458	\$0	\$10,069	\$10,069
AMETEK, Inc.	\$159,981	\$0	\$263,876	\$202,373
Accu Measurement Testing, Inc.	\$159,714	\$0	\$281,766	\$281,766
Dick's Sporting Goods, Inc.	\$156,788	\$0	\$0	\$0
CE Citycom	\$156,702	\$0	\$471,410	\$469,590
eDigital Data Center, Inc.	\$156,346	\$0	\$161,963	\$161,963
Braskem America, Inc.	\$155,730	\$0	\$56,836	\$4,230
Applied Geology and Environmental	. ,		. ,	. ,
Sciences, Inc.	\$155,153	\$0	\$0	\$0
Joy Global, Inc.	\$151,894	\$0	\$0	\$0
Alcoa, Inc.	\$150,417	\$0	\$1,074,938	\$520,000
NCC Automated Systems, Inc.	\$150,279	\$0	\$104,087	\$104,087
Grove US, LLC	\$146,669	\$0	\$390,315	\$83,561
Aquion Energy, Inc.	\$146,333	\$0	\$107,564	\$107,564
GES Automation Technology, Inc.	\$146,185	\$0	\$133,360	\$98,220
Clutch Holdings, LLC	\$145,141	\$0	\$12,137	\$12,137
Advanced Research Systems, Inc.	\$143,180	\$0	\$180,756	\$165,031
Ecotech Marine, LLC	\$135,293	\$0	\$177,959	\$177,959
GlobalSubmit, Inc.	\$130,747	\$0	\$65,887	\$65,841
Progenra, Inc.	\$129,565			
NuTec Tooling Systems, Inc.	\$123,437	\$0	\$36,605	\$36,605
Avere Systems, Inc.	\$122,948	\$0	\$193,409	\$71
Innovative Solutions & Support, Inc.	\$120,382	\$0	\$0	\$0
Microsemi SOC Corporation (f/k/a Actel	. ,		·	
Corporation)	\$119,539	\$0	\$101,409	\$0
Gemini Plastics, Inc.	\$118,191	\$0	\$205,868	\$30,489
Knopp Biosciences, LLC	\$116,009	\$0	\$52,077	\$52,077
Tyco Electronics Corporation	\$115,853	\$0	\$231,499	\$0
Momentum Dynamics Corporation, Inc.	\$115,231	\$0	\$66,526	\$66,526
Dun and Bradstreet, Inc.	\$114,532	\$0	\$126,185	\$126,185
ABB, Inc.	\$113,488	\$0	\$137,054	\$137,054
GrafTech International, Ltd.	\$111,779	\$0	\$0	\$0
Blue Belt Technologies, Inc.	\$111,703	\$0	\$275,605	\$275,605
FedEx Corporate Services, Inc.	\$109,259	\$0	\$35,946	\$0
Fleetwood Industries, Inc.	\$106,824	\$0	\$47,372	\$47,372
Snipi, Inc. (d/b/a Sidecar Technologies)	\$106,292	\$0	\$0	\$0
FirstEnergy Corp.	\$105,075	\$0	\$84,048	\$0
ATI Operating Holdings, LLC	\$103,073 \$104,712	\$0 \$0	\$31,509	\$31,509
ATT Operating notalings, LLC	φ104,112	φυ	φ31,309	कुउ 1,509

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	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Listrak, Inc. (f/k/a Remark Internet, Inc.)	\$104,510	\$0	\$136,621	\$7,887
Johnson Matthey, Inc.	\$104,275	\$0	\$321,053	\$86,390
Phoenix Contact Development &			,	,
Manufacturing, Inc.	\$102,949	\$0	\$90,284	\$0
John Bean Technologies Corporation	\$99,932	\$0	\$31,603	\$24,886
Callidus Biopharma, Inc.	\$98,490	\$0	\$24,402	\$0
Lutron Electronics Co., Inc.	\$97,047	\$0	\$279,898	\$64,483
Ratex Business Solutions, Inc.	\$96,320	\$0	\$70,749	\$556
K'NEX Brands LP	\$94,854	\$0	\$137,675	\$119,000
The Dow Chemical Company	\$92,375	\$0	\$99,717	\$99,717
Walking Thumbs, LLC	\$92,280	\$0	\$48,949	\$3,407
Finisar Corporation	\$92,117	\$0	\$202,568	\$17,204
Heinz Management, LLC	\$90,467	\$0	\$387,544	\$387,544
TicketLeap, Inc.	\$90,364	\$0	\$0	\$0
Claritee Group, LLC	\$89,509	\$0	\$0	\$0
Control Concepts Corporation	\$88,934	\$0	\$102,370	\$101,857
Aero Tech, Inc.	\$87,866	\$0	\$98,695	\$36,654
Pennoni Associates, Inc.	\$87,830	\$0	\$88,431	\$88,431
Vitae Pharmaceuticals, Inc. (f/k/a Concurrent				
Pharmaceuticals, Inc.)	\$83,843	\$0	\$135,133	\$3,631
Auto Soft, Inc.	\$83,432	\$0	\$300,675	\$1,540
Wheelhouse Analytics, LLC (f/k/a Coates				
Solutions, LLC)	\$83,417	\$0	\$111,331	\$111,331
Ansaldo STS USA International, Co.	\$83,141	\$0	\$190,405	\$21,504
Savana, Inc.	\$83,014	\$0	\$28,070	\$532
Chant Engineering Co., Inc.	\$81,603	\$0	\$171,840	\$0
Sungard Data Systems, Inc.	\$80,684	\$0	\$33,687	\$0
Wavefront Research, Inc.	\$79,354	\$0	\$155,249	\$155,249
Caterpillar Global Mining America, LLC (f/k/a				
Bucyrus America, Inc.)	\$79,352	\$0	\$190,086	\$190,086
Warfel Construction Company	\$79,224	\$0	\$0	\$0
Sciquest, Inc.	\$79,137	\$0	\$24,718	\$10,170
Special Pathogens Laboratory, LLC	\$77,865	\$0	\$0	
Akustica, Inc.	\$77,801	\$0	\$130,517	\$65,257
rue21, Inc.	\$75,429	\$0	\$0	\$0
SKF USA, Inc.	\$75,248	\$0	\$15,476	\$0
Education Management Solutions, Inc.	\$75,158	\$0	\$59,444	\$59,444
Caliber Therapeutics, Inc.	\$74,544	\$0	\$121,101	\$121,101
Immunex Corporation	\$74,054	\$0	\$617,332	\$71,108
Combined Conditional Access Development	\$73,768	\$0	\$54,838	\$40
The ExOne Company	\$73,420	\$0	\$0	\$0
Hybrid Integration, LLC	\$73,342	\$0	\$35,299	\$35,229
Synchronoss Technologies, Inc.	\$73,145	\$0	\$211,936	\$211,936
Magnesita Refractories Company	\$71,918	\$0	\$20,859	\$20,859
M-Mech Defense, Inc.	\$71,732	\$0	\$23,842	\$23,842
Intertek USA, Inc.	\$71,602	\$0	\$0	\$0
Trice Orthopedics, Inc. (f/k/a InSyte Medical				
Technologies, Inc.)	\$71,327	\$0	\$0	\$0
Verizon Data Services, LLC	\$70,754	\$0	\$105,315	\$105,315
Pharmaceutical Manufacturing Research				
Services, Inc.	\$70,313	\$0	\$0	\$0

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Carnegie Robotics, LLC	\$70,096	\$0	\$58,671	\$30,657
Advanced Cooling Technologies, Inc.	\$69,362	\$0	\$15,291	\$7,731
MEI, Inc.	\$69,164	\$0	\$175,129	\$81,139
Penn Manufacturing Industries, Inc.	\$68,646	\$0	\$191,184	\$191,184
Renick Brothers Construction Company	\$68,201	\$0	\$52,763	\$52,763
K-Fab, Inc.	\$66,830	\$0	\$22,485	\$22,485
CFS Holdings Corp.	\$66,475	\$0	\$0	\$0
Oberg Industries, Inc.	\$66,335	\$0	\$56,886	\$55,065
WebpageFX, Inc.	\$66,022	\$0	\$0	\$0
Verizon Business Network Services, Inc.	\$65,964	\$0	\$128,481	\$128,481
NoWait, Inc.	\$65,919	\$0	\$37,357	\$37,357
Flexicon Corporation	\$65,901	\$0	\$12,657	\$12,657
Shoefitr, Inc.	\$65,211	\$0	\$27,147	\$27,147
Manley Holdings, Inc.	\$65,142	\$0	\$77,768	\$55,956
Shifa Biomedical Corporation	\$65,049	\$0	\$86,395	\$86,395
Woodward, Inc.	\$64,995	\$0	\$47,215	\$0
Global Technology Enterprise Corp.	\$64,908	\$0	\$56,199	\$56,199
Tech Molded Plastics, Inc.	\$64,310	\$0	\$121,104	\$121,104
Saucon Technologies	\$64,157	\$0	\$0	\$0
Astrorobotic Technology, Inc.	\$64,139	\$0	\$53,977	\$53,977
Victaulic Company	\$63,956	\$0	\$372,730	\$372,730
Berry Plastics SP, Inc.	\$63,918	\$0	\$0	\$0
K&H Technologies, Inc.	\$63,243	\$0	\$89,089	\$89,089
NESTEC, Inc.	\$63,085	\$0	\$51,660	\$51,660
Lehigh Valley Technologies, Inc.	\$63,072	\$0	\$17,951	\$17,951
Almac Clinical Technologies, LLC	\$62,985	\$0	\$0	\$0
Cutanea Life Sciences, Inc.	\$62,849	\$0	\$0	\$0
RJMetrics, Inc.	\$62,841	\$0	\$44,298	\$44,298
Gamry Instruments, Inc.	\$62,196	\$0	\$35,870	\$35,870
lagnosis, Inc.	\$62,161	\$0	\$59,134	\$59,134
Frontline Technologies, Inc.	\$61,357	\$0	\$71,674	\$71,674
Compunetix, Inc.	\$60,597	\$0	\$53,438	\$0
Epiphany Solar Water Systems, LLC	\$60,592	\$0	\$50,243	\$50,243
NUUCO MedTech, LLC	\$60,566	\$0	\$0	\$0
Agrofresh, Inc.	\$59,371	\$0	\$760	\$760
Nalco Company	\$58,932	\$0	\$0	\$0
Duolingo, Inc.	\$58,835	\$0	\$117,304	\$117,304
Wacker Chemical Corporation	\$57,723	\$0	\$51,422	\$51,422
ZSX Medical, LLC	\$57,560	\$0	\$0	\$0
BioConnect Systems, Inc.	\$57,408	\$0	\$0	\$0
CMR USA, Inc.	\$57,311	\$0	\$0	\$0
Airolution, LLC	\$56,285	\$0	\$23,135	\$23,135
Rajant Corporation	\$56,284	\$0	\$58,064	\$58,064
The Valspar Corporation	\$56,073	\$0	\$237,756	\$59,235
Think Through Learning, Inc. (f/k/a Apangea				
Learning, Inc.)	\$55,903	\$0	\$204,015	\$0
Invisible Sentinel, Inc.	\$54,904	\$0	\$0	\$0
FTS Holding Corporation	\$54,642	\$0	\$0	\$0
Cernostics, Inc.	\$54,263	\$0	\$73,339	\$73,339
TMG Health, Inc.	\$54,239	\$0	\$27,242	\$27,242
Plastek Industries, Inc.	\$53,758	\$0	\$10,590	\$0

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Crayola, LLC	\$53,414	\$0	\$1,509	\$1,509
Holtec Power Plant Components Division	\$52,407	\$0	\$0	\$0
Graybills Tool & Die, Inc.	\$52,359	\$0	\$31,885	\$11
Sargent Electric Company	\$52,242	\$0	\$20,151	\$20,151
MPD Holdings, LLC	\$50,400	\$0	\$61,156	\$61,156
Siemens PLM Software II US, Inc.	\$49,826	\$0	\$84,767	\$0
Cellco Partnership, LLP	\$49,641	\$0	\$86,643	\$67,210
Itrco, LP	\$49,373	\$0	\$72,840	\$72,840
Dynamis Pharmaceuticals, Inc.	\$49,017	\$0	\$0	\$0
Ellwood Investment Corp.	\$48,859	\$0	\$0	\$0
InfoMC, Inc.	\$48,240	\$0	\$82,470	\$373
Gravic, Inc.	\$47,493	\$0	\$55,317	\$219
Dart Container Corporation of Pennsylvania	\$47,283	\$0	\$1,953	\$0
Eaton Corporation	\$47,157	\$0	\$26,078	\$26,078
Lasko Products, Inc.	\$47,060	\$0	\$95,538	\$95,538
Jennison Corporation	\$46,777	\$0	\$0	\$0
Turn 5, Inc. (f/k/a Xoxide, Inc.)	\$46,547	\$0	\$0	\$0
National Medical Services, Inc.	\$46,496	\$0	\$49,938	\$43,797
CD Diagnostics, Inc.	\$45,794	\$0	\$85,233	\$85,233
Webber/Smith Associates, Inc.	\$45,041	\$0	\$0	\$0
Optofluidics, Inc.	\$45,004	\$0	\$0	\$0
BioSpectra, Inc.	\$44,965	\$0	\$184,740	\$182,478
New Business Learning Center, Inc.	\$44,855	\$0	\$0	\$0
Sweet Street Desserts, Inc.	\$44,616	\$0	\$13,670	\$0
ShowClix, Inc.	\$44,517	\$0	\$28,360	\$28,360
Amuneal Manufacturing Corp.	\$43,052	\$0	\$29,723	\$29,723
Autodesk, Inc.	\$43,007	\$0	\$125,393	\$95,693
W.L. Gore & Associates, Inc.	\$42,999	\$0	\$56,506	\$32,288
Reynolds & Reynolds Electronics, Inc.	\$42,787	\$0	\$66,946	\$35,987
Pine Hill Manufacturing, LLC	\$42,508	\$0	\$0	\$0
Amphenol Intercon Systems, Inc.	\$42,448	\$0	\$28,498	\$28,498
Georgeko Industries, Inc.	\$41,774	\$0	\$0	\$0
PJ Dick Incorporated	\$41,714	\$0	\$0	\$0
Radius Corporation	\$41,631	\$0	\$16,031	\$16,031
PSI Pumping Solutions, Inc.	\$41,569	\$0	\$13,522	\$13,522
Boulden Energy Systems, Inc.	\$41,299	\$0	\$22,975	\$22,975
The Proud Company	\$41,238	\$0	\$0	\$0
Cohera Medical, Inc.	\$41,088	\$0	\$67,681	\$67,681
Lamtec Corporation	\$40,593	\$0	\$30,002	\$30,002
Pennsy Corporation	\$40,558	\$0	\$39,048	\$39,048
American International Forwarding, Inc.	\$39,455	\$0	\$0	\$0
Carlisle Construction Materials Incorporated	\$39,436	\$0	\$77,299	\$27,729
NRG Controls, Inc.	\$39,271	\$0	\$0	\$0
USSC, LLC	\$39,113	\$0	\$0	\$0
Minitab, Inc.	\$39,095	\$0	\$255,741	\$20,137
Micromechatronics, Inc.	\$39,050	\$0	\$0	\$0
KCF Technologies, Inc.	\$38,365	\$0	\$47,088	\$0
Havaco Technology Incorporated	\$38,302	\$0	\$0	\$0
Bettwy Systems, Inc.	\$37,944	\$0	\$0	\$0
Rent Jungle, LLC	\$37,596	\$0	\$37,767	\$37,767
Sicom Systems, Inc.	\$37,394	\$0	\$62,184	\$62,184

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Scientific Systems, Inc.	\$37,390	\$0	\$0	\$0
Dataforma Incorporated	\$37,001	\$0	\$104,687	\$104,687
Printmail Systems, Inc.	\$36,735	\$0	\$56,814	\$36,502
Document Solutions Group, Inc.	\$36,490	\$0	\$82,089	\$18,212
Optinose US, Inc.	\$36,046	\$0	\$52,864	\$0
KW, Inc.	\$36,025	\$0	\$46,432	\$46,432
Swank Construction Company, LLC	\$35,793	\$0	\$43,392	\$2,146
Warners Innovations Solutions	\$35,750	\$0	\$0	\$0
Caterpillar, Inc.	\$35,677	\$0	\$516,458	\$156,931
Channellock, Inc.	\$35,619	\$0	\$39,352	\$1,669
Follett Corporation	\$35,608	\$0	\$31,214	\$8,577
Streamlight, Inc.	\$35,522	\$0	\$20,844	\$20,844
Express Dynamics, LLC	\$35,517	\$0	\$21,670	\$21,670
InvestEdge, Inc.	\$35,471	\$0	\$64,427	\$27,626
Tipton Medical & Diagnostic Center	\$35,161	\$0	\$51,630	\$51,630
Brookville Equipment Corporation	\$35,155	\$0	\$55,741	\$23,688
Jazz Pharmaceuticals, Inc.	\$34,743	\$0	\$14,203	\$14,203
Miller Welding and Machine Company, Inc.	\$34,681	\$0	\$0	\$0
Stock, Garber and Associates, Inc.	\$34,652	\$0	\$42,256	\$40,743
First Insight, Inc.	\$34,594	\$0	\$53,855	\$53,855
Triumph Controls, LLC	\$34,354	\$0	\$10,281	\$0
Relay Network, LLC	\$33,644	\$0	\$0	\$0
Stantec Consulting Services, Inc.	\$33,642	\$0	\$0	\$0
American Infrastructure, Inc.	\$33,119	\$0	\$23,998	\$0
Gelest, Inc.	\$33,037	\$0	\$102,562	\$93,799
Toll Bros., Inc.	\$32,958	\$0	\$0	\$0
New Way Machine Components, Inc. (dba New				
Way Precision)	\$32,474	\$0	\$30,843	\$30,843
Redpath Integrated Pathology, Inc.	\$32,287	\$0	\$17,599	\$17,599
Essent Corporation	\$32,264	\$0	\$13,252	\$0
Dobil Laboratories, Inc.	\$32,230	\$0	\$44,095	\$44,095
NewCare Solutions, LLC	\$31,907	\$0	\$0	\$0
Electronics for Imaging, Inc.	\$31,840	\$0	\$0	\$0
Clear-Coat, LLC	\$31,807	\$0	\$0	\$0
FS-Elliott Co., LLC	\$31,500	\$0	\$76,481	\$55,420
Team Ten, LLC (American Eagle Paper Mills)	\$31,222	\$0	\$71,568	\$70,847
Ad Base Group, Inc.	\$30,910	\$0	\$142,342	\$95,148
Qortek, Inc.	\$30,823	\$0	\$108,878	\$39,406
Psychology Software Tools, Inc.	\$30,777	\$0	\$66,958	\$66,958
Diamondback Automative Accessories	\$30,532	\$0	\$29,469	\$29,469
Shorts Tool and Manufacturing, Inc.	\$29,883	\$0	\$0	\$0
Impact Applications, Inc.	\$29,498	\$0	\$27,187	\$27,187
Combined Systems, Inc.	\$29,038	\$0	\$2,547	\$0
Centroid Corporation	\$28,879	\$0	\$41,650	\$41,650
Anholt Technologies, Inc.	\$28,670	\$0	\$0	\$0
Saladax Biomedical, Inc	\$28,620	\$0	\$0	\$0
PoolPak International, LLC	\$28,542	\$0	\$0	\$0
Richter Precision, Inc.	\$28,538	\$0	\$28,030	\$28,030
Quantum Vortex, Inc.	\$28,310	\$0	\$0	\$0
Union Carbide Corporation	\$28,089	\$0	\$232,364	\$204,524
Metaphase Technology, Inc.	\$27,926	\$0	\$0	\$0

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Chemcut Holdings, LLC	\$27,541	\$0	\$38,277	\$38,158
General Carbide Corporation	\$27,526	\$0	\$0	\$0
LifeSensors, Inc.	\$27,362	\$0	\$67,532	\$67,532
Specialty Minerals, Inc.	\$27,207	\$0	\$31,857	\$1,710
JetAir, Inc.	\$27,116	\$0	\$18,421	\$7,210
Starlite Diversified, Inc.	\$27,008	\$0	\$43,443	\$35,777
Oberon, Inc.	\$26,937	\$0	\$35,213	\$35,213
Rinovum Womens Health, Inc. (f/k/a Intimate				
Bridge 2 Conception, Inc.)	\$26,712	\$0	\$47,899	\$19,458
Vertical Screen, Inc.	\$26,354	\$0	\$15,149	\$2,427
Milnes Engineering, Inc.	\$26,243	\$0	\$98,136	\$98,136
Michael & Associates, Inc.	\$26,024	\$0	\$31,505	\$31,505
Wagman Companies, Inc.	\$25,959	\$0	\$0	\$0
Thompsons Candle Co.	\$25,768	\$0	\$27,592	\$27,592
Kroff Chemical Company	\$25,706	\$0	\$42,323	\$8,988
Conduit Technology, LLC	\$25,578	\$0	\$0	\$0
Bore Tech, Inc.	\$25,399	\$0	\$0	\$0
Primbio Research Institute, LLC	\$25,271	\$0	\$0	\$0
Premier Automation, LLC	\$25,135	\$0	\$17,066	\$17,066
Kiewit Power Constructors Co.	\$24,901	\$0	\$0	\$0
Salimetrics, LLC	\$24,876	\$0	\$47,189	\$47,189
Golden Brothers, Inc. (t/a Golden				
Technologies)	\$24,861	\$0	\$39,508	\$39,508
Fluitron, Inc.	\$24,823	\$0	\$18,660	\$18,660
USA Technolgies, Inc.	\$24,685	\$0	\$0	\$0
Assistive Technology Products, Inc.	\$24,141	\$0	\$49,351	\$49,351
Innovative Sintered Metals, Inc.	\$24,078	\$0	\$82,313	\$82,313
ProMinent Fluid Controls, Inc.	\$23,943	\$0	\$10,866	\$10,866
Pilot Air Freight Corp.	\$23,819	\$0	\$10,403	\$10,403
Blair Roofing, Inc.	\$23,792	\$0	\$0	\$0
Bettwy Electric, Inc.	\$23,790	\$0	\$0	\$0
SofterWare, Inc.	\$23,644	\$0	\$11,590	\$11,590
Collegiate Furnishing, Inc.	\$23,520	\$0	\$32,376	\$32,376
Huston, Inc.	\$23,127	\$0	\$45,705	\$44,848
Koppers, Inc.	\$23,053	\$0	\$0	\$0
Liquid X Printed Metals, Inc.	\$23,044	\$0	\$6,166	\$0
Phonetics, Inc. (d/b/a Sensaphone)	\$22,914	\$0	\$8,550	\$1,877
HindlePower, Inc.	\$22,696	\$0	\$88,121	\$88,067
Teletracking Technologies, Inc.	\$22,632	\$0	\$0	\$0
Sabic Innovative Plastics US, LLC	\$22,497	\$0	\$0	\$0
Effort Enterprises, Inc.	\$22,422	\$0	\$28,948	\$28,948
Just Born, Inc.	\$22,404	\$0	\$30,734	\$54
Soft Genetics, LLC	\$22,266	\$0	\$37,682	\$37,682
Imperial Carbide, Inc.	\$22,246	\$0	\$74,891	\$30,455
Vertex, Inc.	\$22,238	\$0	\$0	\$0
PDC Machines, Inc.	\$22,087	\$0	\$0	\$0
Chick Workholding Solutions, Inc.	\$21,908	\$0	\$52,551	\$15,000
Try Tek Machine Works Incorporated	\$21,592	\$0	\$22,640	\$0
Institute for Musculoskeletal Science and			•	
Education, LLC	\$21,502	\$0	\$0	\$0
API Technologies Corp.	\$21,484	\$0	\$0	\$0

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Beaver Steel Services, Inc.	\$21,482	\$0	\$14,270	\$14,270
Universal Electric Corporation	\$21,122	\$0	\$44,689	\$0
Knoll, Inc.	\$20,997	\$0	\$19,006	\$19,006
North American Hoganas, Inc.	\$20,909	\$0	\$115,619	\$115,619
Branch Medical Group, Inc.	\$20,875	\$0	\$41,286	\$41,286
Effort Foundry, Inc.	\$20,775	\$0	\$0	\$0
Qmac - Quality Machining, Inc.	\$20,736	\$0	\$61,531	\$34,308
SpiralGen, Inc.	\$20,631	\$0	\$0	\$0
Raven Industries, Inc.	\$20,587	\$0	\$26,251	\$26,251
Techniserv, Inc.	\$20,576	\$0	\$78,304	\$51,850
ChromaTan, Inc.	\$20,519	\$0	\$22,313	\$22,313
SPD Electrical Systems, Inc.	\$20,476	\$0	\$2,379	\$2,379
Cummins-Allison Corp.	\$20,469	\$0	\$34,042	\$34,042
Intel Mobile Communications North America,				
Inc.	\$20,445	\$0	\$0	\$0
Lake Tool, Inc.	\$20,249	\$0	\$16,273	\$16,273
Aclaris Therapeutics, Inc.	\$20,248	\$0	\$0	\$0
Steven B. Golden Associates, Inc. (t/a				
Artskills)	\$19,999	\$0	\$60,216	\$7,212
Clarion Sintered Metals, Inc.	\$19,920	\$0	\$15,816	\$0
Kovatch Mobile Equipment Corp.	\$19,888	\$0	\$20,461	\$674
Parametric Dining, LLC	\$19,858	\$0	\$0	\$0
Fab Tech, Inc. (d/b/a Corle Building Systems)	\$19,811	\$0	\$35,998	\$35,998
AssetWorks, Inc.	\$19,761	\$0	\$0	\$0
Advanced Controls & Distribution, LLC	\$19,727	\$0	\$14,197	\$14,197
Seegrid Corporation	\$19,716	\$0	\$381,499	\$381,499
Allomet Corporation	\$19,690	\$0	\$43,201	\$43,201
GAI-Tronics Corporation	\$19,332	\$0	\$142,870	\$85,756
Gautier Steel, Ltd.	\$19,300	\$0	\$7,394	\$7,394
Carlisle Engineered Products, Inc.	\$19,297	\$0	\$0	\$0
Ernst Biomass, LLC	\$19,116	\$0	\$0	\$0
A&A Construction Co., Inc.	\$19,072	\$0	\$0	\$0
Advanced Fabrication Services, Inc.	\$18,963	\$0	\$0	\$0
Third Eye Diagnostics, Inc.	\$18,910	\$0	\$50,420	\$50,420
Standard Precision Manufacturing				
Incorporated	\$18,906	\$0	\$0	\$0
Rosenberger of North America, LLC	\$18,857	\$0	\$3,389	\$3,389
MoJo Active, Inc.	\$18,815	\$0	\$0	\$0
Inolex Chemical Company	\$18,742	\$0	\$0	\$0
Evolution Products, LLC	\$18,742	\$0	\$0	\$0
Precision Medical Products, Inc.	\$18,545	\$0	\$2,637	\$2,637
McKamish, Inc.	\$18,322	\$0	\$48,454	\$23,291
Aquatech International Corporation	\$18,126	\$0	\$121,648	\$106,979
Pellegrino Food Products Co., Inc.	\$17,923	\$0	\$0	\$0
Cavanaugh Marketing Network, Inc. (dba				
Cavanaugh)	\$17,829	\$0	\$27,372	\$12,132
Apprise Software, Inc.	\$17,821	\$0	\$31,487	\$6,845
Suntex Inernational, Inc.	\$17,775	\$0	\$42,766	\$40,527
Therm-Omega-Tech, Inc.	\$17,718	\$0	\$8,186	\$8,186
Martin Technology, Inc.	\$17,618	\$0	\$26,886	\$26,886
Matric Limited	\$17,523	\$0	\$6,229	\$6,229

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Intact Vascular, Inc.	\$17,464	\$0	\$0	\$0
Philadelphia Tramrail Enterprises, Inc.	\$17,421	\$0	\$5,834	\$5,834
Go Green APU, LLC	\$17,379	\$0	\$15,369	\$15,369
Community Light and Sound, Inc.	\$17,370	\$0	\$14,431	\$14,431
Kaolin Mushroom Farms, Inc.	\$17,348	\$0	\$0	\$0
Vamco International, Inc.	\$17,328	\$0	\$0	\$0
Bra-Vor Tool & Die Company, Inc.	\$17,216	\$0	\$40,508	\$6,997
Superior Plastic Products, Inc.	\$16,802	\$0	\$8,341	\$8,341
PTR Group, LP	\$16,390	\$0	\$7,097	\$7,097
Sentient Investment Corporation	\$16,341	\$0	\$21,452	\$20,314
Premier Dental Products Company	\$16,249	\$0	\$4,547	\$0
Premier Automation Holdings, Inc.	\$16,232	\$0	\$13,958	\$13,019
Keystone Machinery Corporation	\$16,118	\$0	\$10,656	\$10,656
Reclamere, Inc.	\$16,114	\$0	\$42,627	\$42,627
Z-Axis Connector Company	\$16,111	\$0	\$13,027	\$9,123
Laminar Flow, Inc.	\$15,958	\$0	\$25,123	\$25,123
Competition Tire East, Inc.	\$15,955	\$0	\$2,595	\$1,176
Adobe Systems Incorporated	\$15,807	\$0	\$0	\$0
C.U.E., Inc.	\$15,793	\$0	\$12,232	\$7,783
PhaseBio Pharmaceuticals, Inc.	\$15,786	\$0	\$73,745	\$73,745
Turning Edge Solutions, LLC	\$15,525	\$0	\$0	\$0
Solenoid Solutions, Inc.	\$15,447	\$0	\$2,957	\$47
Crown Cork & Seal USA, Inc.	\$15,379	\$0	\$4,999	\$4,999
Basic Carbide Corporation	\$15,343	\$0	\$16,684	\$5,289
Stein Seal Company	\$15,166	\$0	\$0	\$0
Crestwood Membranes, Inc.	\$15,116	\$0	\$18,723	\$18,723
Institute of Consultative Bioethics	\$14,989	\$0	\$0	\$0
VT Graphics, Inc.	\$14,950	\$0	\$13,741	\$13,741
Maya Design, Inc.	\$14,699	\$0	\$102,486	\$122
Custom Processing Services, Inc.	\$14,613	\$0	\$17,469	\$17,469
Castle Mold and Tool, Inc.	\$14,504	\$0	\$50,959	\$46,739
ExecutivePulse, Inc.	\$14,443	\$0	\$34,616	\$34,616
Bio-Pharm Incorporated	\$14,412	\$0	\$0	\$0
Powerlytics, Inc.	\$14,389	\$0	\$0	\$0
Gap Holding Company, Inc.	\$14,294	\$0	\$0	\$0
Harold Beck & Sons, Inc.	\$14,243	\$0	\$3,106	\$0
Eitel Presses, Inc.	\$13,976	\$0	\$27,856	\$39
Epic Web Studios	\$13,889	\$0	\$9,063	\$9,063
Zausner Food Corp and Subsidiaries, Inc.	\$13,855	\$0	\$0	\$0
Train Control Systems, Inc.	\$13,751	\$0	\$11,713	\$11,713
Piezo Energy, Inc.	\$13,750	\$0	\$0	\$0
Liberty Electronics, Inc.	\$13,742	\$0	\$0	\$0
Bliley Technologies Incorporated (Blliey				
Electric Corporation)	\$13,733	\$0	\$0	\$0
Blair Strip Steel Co.	\$13,699	\$0	\$35,753	\$24,302
Treehouse Foods, Inc.	\$13,627	\$0	\$0	\$0
Norquay Technologies Incorporated	\$13,519	\$0	\$0	\$0
Diversified Coatings, Inc.	\$13,408	\$0	\$14,424	\$14,422
Whitford Corporation	\$13,393	\$0	\$0	\$0
Reading Precast, Inc.	\$13,372	\$0	\$6,745	\$209
Bellefield Systems, LLC	\$13,237	\$0	\$6,584	\$6,123

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Innovative Control Systems, Inc.	\$13,193	\$0	\$81,206	\$10,704
Superior Tire & Rubber Corp.	\$13,176	\$0	\$18,085	\$23
R.G. Steel Corp.	\$12,808	\$0	\$0	\$0
ProSoft Technologies, Inc.	\$12,731	\$0	\$0	\$0
Eriez Manufacturing Co.	\$12,600	\$0	\$35,833	\$0
Kieran Timberlake Associates, LLP	\$12,591	\$0	\$14,489	\$14,489
Heyl & Patterson, Inc.	\$12,515	\$0	\$19,041	\$1,809
Whitewater International, LLC	\$12,506	\$0	\$11,684	\$11,684
Koryak Consulting, Inc.	\$12,413	\$0	\$908	\$526
Power Conversion Technologies, Inc.	\$12,369	\$0	\$10,291	\$4,309
Griffith, Inc. (t/a Alpha Systems)	\$12,325	\$0	\$7,256	\$5,144
Hydro-Spray Wash Systems, Inc.	\$12,183	\$0	\$0	\$0
Standing Stone Consulting, Inc.	\$12,141	\$0	\$11,555	\$11,555
Jay Fulkroad Sons, Inc.	\$12,064	\$0	\$0	\$0
Metalor Electrotechnics USA Corp.	\$12,000	\$0	\$0	\$0
Cook Vascular Corporation	\$11,982	\$0	\$10,460	\$6,860
Richardson Cooling Packages, LLC	\$11,913	\$0	\$17,002	\$4,211
Great Lakes Automation Services, LLC	\$11,863	\$0	\$0	\$0
Proxicast, LLC	\$11,810	\$0	\$10,217	\$10,217
Weir Hazleton, Inc.	\$11,747	\$0	\$37,054	\$37,054
Center Hardwood, LLC	\$11,666	\$0	\$0	\$0
Aero Tech Designs, Inc.	\$11,652	\$0	\$0	\$0
Health Sciences Construction Group, Ltd.	Ψ11,002	Ψ	Ψ	Ψ
(d/b/a HSC Builders & Construction Managers)	\$11,636	\$0	\$0	\$0
Penn Engineering and Manufacturing Corp.	\$11,588	\$0	\$57,884	\$6,030
Fortna, Inc.	\$11,584	\$0	\$11,231	\$11,231
Novotech Construction, Inc.	\$11,552	\$0	\$0	\$0
Greenleaf Corporation	\$11,535	\$0	\$0	\$0
Joseph Barbato Associates, LLC	\$11,498	\$0	\$27,940	\$0
ARCCA Incorporated	\$11,488	\$0	\$0	\$0
Custom Laminating Corporation	\$11,440	\$0	\$22,843	\$22,843
Chromalox, Inc.	\$11,401	\$0	\$6,667	\$0
Quintech Electronics Communications, Inc.	\$11,391	·		
	\$11,370	\$0	\$15,967	\$6,268
The Drucker Company, Inc. L.F. Lambert Spawn Company, Inc.	\$11,370 \$11,282	\$0	\$21,374	\$21,374
SJ Consulting Group, Inc.	\$11,269	\$0	\$21,374	\$21,374
NABCO, Inc	\$11,20 3	\$0	\$0 \$0	\$0 \$0
	\$11,162	\$0	\$11,713	\$0
OptiXtal, Inc.	\$11,102 \$11,148	\$0	\$11,713	\$0 \$0
Galera Therapeutics, Inc.	\$11,034	\$0	\$1,800	\$364
Nielsen-Kellerman, Co. Bulk Chemicals, Inc.		\$0	\$1,800	\$10,349
Applied Clinical Intelligence, LLC	\$10,961 \$10,781	\$0 \$0	\$10,349 \$0	\$10,349 \$0
Alertek, LLC	\$10,781	\$0 \$0		
The Efficiency Network, Inc.	\$10,713	\$0 \$0	\$473 \$0	\$68 \$0
	\$10,712		·	
VaxForm, LLC	\$10,708 \$10,606	\$0 \$0	\$854 \$5.715	\$0 \$5.715
Flexcut Tool Co., Inc.	\$10,696	\$0 \$0	\$5,715 *0	\$5,715 *0
Rearick Tooling, Inc.	\$10,673	\$0	\$0	\$0
AllFill, Inc.	\$10,634	\$0	\$5,613	\$5,613
The APAK Group	\$10,558	\$0	\$0	\$0
Intelmarx, LLC	\$10,501	\$0	\$7,379	\$7,379
Maxim Integrated Products, Inc.	\$10,399	\$0	\$0	\$0

Wampum Hardware Co. \$10,102 \$0 \$28,330 \$28,330 All-American Hose, LLC \$10,049 \$0 \$0 \$0 Predictive Solutions Corporation \$3,956 \$0 \$0 \$0 Lee Industries, Inc. \$3,930 \$0 \$0 \$0 Tiversa Holding Corp. (If/ka Tiversa, Inc.) \$9,924 \$0 \$62,667 \$62,667 Learning Sciences International, LLC \$9,852 \$0 \$0 \$0 Certes Networks, Inc. (If/ka Cipheroptics, Inc.) \$9,755 \$0 \$26,466 \$22,363 Appcove, Inc. \$9,651 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,651 \$0 \$28,446 \$16,683 \$1,683 Dyco, Inc. \$9,555 \$0 \$2,446 \$22,363 Mycor Inc. \$9,651 \$0 \$20,40 \$26,047 Instrumentation Industries, Inc. \$9,555 \$0 \$0 \$0 Instrumentation Industries, Inc. \$9,561 \$0 \$204 \$204 Motors Drives & Contro					
Alcoil USA, LLC		2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Crescent Industries, Inc. (As Jindustries, I	Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Crescent Industries, Inc. (As Jindustries, I		\$10,361	\$0	\$10,137	\$10,137
C&J Industries, Inc. LaBarge Electronics, Inc. \$10,300 \$00 \$00 \$00 \$00 \$00 \$00 \$00	·	\$10,361	\$0	\$34,581	
Coating and Converting Technologies Corporation \$10,260 \$0 \$0 \$0 Corporation \$10,263 \$0 \$0 \$0 \$122 FutureWei Technologies, Inc. \$10,237 \$0 \$5,3967 \$3,968 \$0 <td></td> <td></td> <td>\$0</td> <td></td> <td></td>			\$0		
Stopporation	LaBarge Electronics, Inc.	\$10,300	\$0	\$0	\$0
Stopporation	Coating and Converting Technologies	·			
Vulcan Spring & Mfg., Co. \$10,237 \$0 \$3,967 \$3,967 Universal Stainless and Alloy Products, Inc. \$10,167 \$0 \$28,3368 \$8,235 Wampum Hardware Co. \$10,102 \$0 \$28,333 \$28,333 \$28,333 All-American Hose, LLC \$10,049 \$0 \$0 \$0 Predictive Solutions Corporation \$9,956 \$0 \$0 \$0 Lee Industries, Inc. \$9,930 \$0 \$0 \$0 Tiversa Holding Corp. (If/ka Tiversa, Inc.) \$9,924 \$0 \$62,667 \$62,667 Learning Sciences International, LLC \$9,955 \$0 \$0 \$0 Certes Networks, Inc. (If/ka Cipheroptics, Inc.) \$9,955 \$0 \$26,667 \$62,667 Learning Sciences International, LLC \$9,955 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,555 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,555 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,555 \$0 \$3 \$0 <t< td=""><td></td><td>\$10,260</td><td>\$0</td><td>\$0</td><td>\$0</td></t<>		\$10,260	\$0	\$0	\$0
Vulcan Spring & Mfg., Co. \$10,237 \$0 \$3,967 \$3,967 Universal Stainless and Alloy Products, Inc. \$10,187 \$0 \$263,468 \$8,285 Wampum Hardware Co. \$10,102 \$0 \$28,330 \$28,607 \$26,667 <td>FutureWei Technologies, Inc.</td> <td>\$10,243</td> <td>\$0</td> <td>\$6,235</td> <td>\$122</td>	FutureWei Technologies, Inc.	\$10,243	\$0	\$6,235	\$122
Wampum Hardware Co. \$10,102 \$0 \$28,330 \$28,330 All-American Hose, LLC \$10,049 \$0 \$0 \$0 Predictive Solutions Corporation \$9,956 \$0 \$0 \$0 Inversa Holding Corp. (If/ka Tiversa, Inc.) \$9,924 \$0 \$62,667 \$62,667 Learning Sciences International, LLC \$9,852 \$0 \$0 \$0 Certes Networks, Inc. (If/ka Cipheroptics, Inc.) \$9,794 \$0 \$76,073 \$76,073 Lunchtime Software, LLC \$9,755 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,651 \$0 \$16,683 \$1,683 Dyco, Inc. \$9,555 \$0 \$28,446 \$2,2363 Mycore, Inc. \$9,555 \$0 \$0 \$0 Instrumentation Industries, Inc. \$9,555 \$0 \$0 \$0 Instrumentation Industries, Inc. \$9,456 \$0 \$19,624 \$0 Motors Drives & Controls, Inc. \$9,455 \$0 \$20,44 \$20,44 Metramene Strouse, Inc.<		\$10,237	\$0	\$3,967	\$3,967
All-American Hose, LLC \$10,049 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Universal Stainless and Alloy Products, Inc.	\$10,187	\$0	\$263,468	\$8,285
Predictive Solutions Corporation \$9,956 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	Wampum Hardware Co.	\$10,102	\$0	\$28,330	\$28,330
Lee Industries, Inc. \$9,930 \$0 \$0 \$0 Tiversa Holding Corp. (Ith/a Tiversa, Inc.) \$9,924 \$0 \$62,667 \$62,667 Learning Sciences International, LLC \$9,852 \$0 \$0 \$0 \$0 Certes Networks, Inc. (If/k/a Cipheroptics, Inc.) \$9,794 \$0 \$76,073 \$76,073 Lunchtime Software, LLC \$9,755 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,555 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,555 \$0 \$0 \$0 \$0 Kwantera Incorporated \$9,546 \$0 \$19,624 \$0 Instrumentation Industries, Inc. \$9,516 \$0 \$19,624 \$0 Instrumentation Industries, Inc. \$9,492 \$0 \$19,624 \$0 Motors Drives & Controls, Inc. \$9,492 \$0 \$26,047 \$26,047 Hermance Strouse, Inc. \$9,492 \$0 \$18,578 \$18,578 Datacap Systems, Inc. \$9,445 \$0 \$0 \$0 Packaging Progressions, inc. \$9,427 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Palellatron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,949 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,949 \$0 \$0 \$11,544 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillions, LLC \$9,078 \$0 \$0 Schulmerich Carillions, LLC \$9,078 \$0 \$0 Schulmerich Carillions, LLC \$9,078 \$0 \$0 Sphapagen, LLC \$9,078 \$0 \$0 \$0 Sphapagen, Inc. \$9,079	All-American Hose, LLC	\$10,049	\$0	\$0	\$0
Tiversa Holding Corp. (ffl/la Tiversa, Inc.) Learning Sciences International, LLC S9,852 S0 S0 S0 S0 S0 S0 S0 S0 S0 S	Predictive Solutions Corporation	\$9,956	\$0	\$0	\$0
Learning Sciences International, LLC \$9,852 \$0 \$0 Certes Networks, Inc. (Vika Cipheroptics, Inc.) \$9,794 \$0 \$76,073 \$76,073 Lunchtime Software, LLC \$9,755 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,651 \$0 \$1,683 \$1,683 Dyco, Inc. \$9,555 \$0 \$0 \$0 Kwantera Incorporated \$9,546 \$0 \$19,624 \$0 Instrumentation Industries, Inc. \$9,546 \$0 \$19,624 \$0 Motors Drives & Controls, Inc. \$9,492 \$0 \$26,047 \$22,04 Mermance Strouse, Inc. \$9,499 \$0 \$18,578 \$18,578 Datacap Systems, Inc. \$9,445 \$0 \$0 \$0 Packaging Progressions, Inc. \$9,427 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,978 \$0 \$0 </td <td>Lee Industries, Inc.</td> <td>\$9,930</td> <td>\$0</td> <td>\$0</td> <td>\$0</td>	Lee Industries, Inc.	\$9,930	\$0	\$0	\$0
Learning Sciences International, LLC \$9,852 \$0 \$0 Certes Networks, Inc. (Vika Cipheroptics, Inc.) \$9,794 \$0 \$76,073 \$76,073 Lunchtime Software, LLC \$9,755 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,651 \$0 \$1,683 \$1,683 Dyco, Inc. \$9,555 \$0 \$0 \$0 Kwantera Incorporated \$9,546 \$0 \$19,624 \$0 Instrumentation Industries, Inc. \$9,546 \$0 \$19,624 \$0 Motors Drives & Controls, Inc. \$9,492 \$0 \$26,047 \$22,04 Mermance Strouse, Inc. \$9,499 \$0 \$18,578 \$18,578 Datacap Systems, Inc. \$9,445 \$0 \$0 \$0 Packaging Progressions, Inc. \$9,427 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,978 \$0 \$0 </td <td>Tiversa Holding Corp. (f/k/a Tiversa, Inc.)</td> <td>\$9,924</td> <td>\$0</td> <td>\$62,667</td> <td>\$62,667</td>	Tiversa Holding Corp. (f/k/a Tiversa, Inc.)	\$9,924	\$0	\$62,667	\$62,667
Lunchtime Software, LLC \$9,755 \$0 \$28,446 \$22,363 Appcove, Inc. \$9,651 \$0 \$1,683 \$1,683 \$1,683 \$1,000 \$1,00		\$9,852	\$0	\$0	\$0
Appcove, Inc. \$9,651 \$0 \$1,683 \$1,683 Dyco, Inc. \$9,555 \$0 \$0 \$0 Kwantera Incorporated \$9,546 \$0 \$19,624 \$0 Instrumentation Industries, Inc. \$9,516 \$0 \$204 \$204 Motors Drives & Controls, Inc. \$9,492 \$0 \$26,047 \$26,047 Hermance Strouse, Inc. \$9,495 \$0 \$18,578 \$18,578 Datacap Systems, Inc. \$9,445 \$0 \$0 \$0 Packaging Progressions, Inc. \$9,427 \$0 \$19,475 \$13,373 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$36,596	Certes Networks, Inc. (f/k/a Cipheroptics, Inc.)	\$9,794	\$0	\$76,073	\$76,073
Dyco, Inc. \$9,555 \$0	Lunchtime Software, LLC	\$9,755	\$0	\$28,446	\$22,363
Kwantera Incorporated \$9,546 \$0 \$19,624 \$0 Instrumentation Industries, Inc. \$9,516 \$0 \$204 \$204 Motors Drives & Controls, Inc. \$9,492 \$0 \$26,047 \$26,047 Hermance Strouse, Inc. \$9,459 \$0 \$18,578 \$18,578 Datacap Systems, Inc. \$9,445 \$0 \$0 \$0 Packaging Progressions, Inc. \$9,427 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,199 \$0 \$11,544 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Clevelled Associates Holdings, Inc. \$9,077 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$82,6	Appcove, Inc.	\$9,651	\$0	\$1,683	\$1,683
Instrumentation Industries, Inc. \$9,516 \$0 \$204 \$204 \$204 \$404	Dyco, Inc.	\$9,555	\$0	\$0	\$0
Instrumentation Industries, Inc. \$9,516 \$0 \$204 \$204 Motors Drives & Controls, Inc. \$9,492 \$0 \$26,047 \$26,047 Hermance Strouse, Inc. \$9,495 \$0 \$18,578 \$18,578 Datacap Systems, Inc. \$9,445 \$0 \$0 \$0 Packaging Progressions, Inc. \$9,445 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,190 \$0 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,078 \$0 \$0 \$0 OL-evelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 Dynalene, Inc. \$8,903 \$0 \$82,133 \$82,133 Robert Bosch, LLC \$8,906 \$0 \$26,369 \$26,251 Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (Idba American Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (Id/b/a Harbortouch) \$8,834 \$0 \$0 \$0 Dynagam Medical, Ltd. \$8,774 \$0 \$11,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Chemlmage Corporation \$8,642 \$0 \$0 \$0 Direction of the stream of the str	Kwantera Incorporated	\$9,546	\$0	\$19,624	\$0
Hermance Strouse, Inc. \$9,459 \$0 \$18,578 \$18,5		\$9,516	\$0	\$204	\$204
Datacap Systems, Inc. \$9,445 \$0 \$0 Packaging Progressions, Inc. \$9,427 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,190 \$0 \$11,544 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,077 \$0 \$0 \$0 Dynalene, Inc. \$9,096 \$9,096 \$9,996 \$9,996 \$0 C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$26,369 \$26,251 \$0 \$0 \$0 Inited Bosch, LLC \$8,896 \$0	Motors Drives & Controls, Inc.	\$9,492	\$0	\$26,047	\$26,047
Packaging Progressions, Inc. \$9,427 \$0 \$19,475 \$13,337 Luxtech, LLC \$9,386 \$0 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,190 \$0 \$11,544 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,035 \$0 \$9,696 \$9,696 C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$82,133 \$82,133 Robert Bosch, LLC \$8,993 \$0 \$26,699 \$26,251 Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (dba American \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch)	Hermance Strouse, Inc.	\$9,459	\$0	\$18,578	\$18,578
Luxtech, LLC \$9,386 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,190 \$0 \$11,544 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,035 \$0 \$9,696 \$9,696 C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$82,133 \$82,133 Robert Bosch, LLC \$8,993 \$0 \$26,369 \$26,251 Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (dba American Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,859 \$0 \$5,781 \$5,781 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,774 \$0 \$1,3	Datacap Systems, Inc.	\$9,445	\$0	\$0	\$0
Luxtech, LLC \$9,386 \$0 \$0 Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 Rebco, Inc. \$9,190 \$0 \$11,544 \$11,544 Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 \$0 Aptagen, LLC \$9,035 \$0 \$9,696 \$9,696 C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$82,133 \$82,133 Robert Bosch, LLC \$8,993 \$0 \$26,369 \$26,251 Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (dba American Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,859 \$0 \$5,781 \$5,781 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,774 \$0 \$1,3	Packaging Progressions, Inc.	\$9,427	\$0	\$19,475	\$13,337
Pelletron Corporation \$9,247 \$0 \$33,383 \$33,383 \$33,383 \$8233,383 \$8233,383 \$823,383 \$823,383 \$823,383 \$823,383 \$823,		\$9,386	\$0	\$0	
Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 Aptagen, LLC \$9,035 \$0 \$9,696 \$9,696 C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$82,133 \$82,133 Robert Bosch, LLC \$8,906 \$0 \$26,369 \$26,251 Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (dba American Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,834 \$0 \$0 \$0 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,644 \$0	·	\$9,247	\$0	\$33,383	\$33,383
Atrin Pharmacuticals, LLC \$9,145 \$0 \$0 Schulmerich Carillons, LLC \$9,078 \$0 \$0 Aptagen, LLC \$9,035 \$0 \$9,696 \$9,696 C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 Dynalene, Inc. \$8,993 \$0 \$82,133 \$82,133 Robert Bosch, LLC \$8,906 \$0 \$26,369 \$26,251 Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (dba American Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,834 \$0 \$0 \$0 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,644 \$0	Rebco, Inc.	\$9,190	\$0	\$11,544	\$11,544
Aptagen, LLC \$9,035 \$0 \$9,696 \$9,696 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Atrin Pharmacuticals, LLC	\$9,145	\$0	\$0	\$0
C-Levelled Associates Holdings, Inc. \$9,017 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Schulmerich Carillons, LLC	\$9,078	\$0	\$0	\$0
Dynalene, Inc. S8,993 \$0 \$82,133 \$82	Aptagen, LLC	\$9,035	\$0	\$9,696	\$9,696
Robert Bosch, LLC	C-Levelled Associates Holdings, Inc.	\$9,017	\$0	\$0	\$0
Robert Bosch, LLC		\$8,993	\$0	\$82,133	
Minteq International, Inc. \$8,861 \$0 \$3,028 \$0 Jordan Acquisition Group, LLC (dba American Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,834 \$0 \$0 \$0 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 \$5,781 Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,40	-				
Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,834 \$0 \$0 \$0 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,694 \$0 \$0 \$0 Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	Minteg International, Inc.	\$8,861	\$0	\$3,028	\$0
Auto Matrix) \$8,859 \$0 \$72,387 \$72,387 United Bank Card, Inc. (d/b/a Harbortouch) \$8,834 \$0 \$0 \$0 Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,694 \$0 \$0 \$0 Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	Jordan Acquisition Group, LLC (dba American				
Thread, LLC \$8,820 \$0 \$5,781 \$5,781 Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,694 \$0 \$0 \$0 Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	• • • • • • • • • • • • • • • • • • • •	\$8,859	\$0	\$72,387	\$72,387
Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,694 \$0 \$0 \$0 Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	United Bank Card, Inc. (d/b/a Harbortouch)	\$8,834	\$0	\$0	\$0
Sussex Wire, Inc. \$8,797 \$0 \$1,367 \$1,367 Ingmar Medical, Ltd. \$8,774 \$0 \$17,404 \$17,404 BioMagnetic Solutions, LLC \$8,694 \$0 \$0 \$0 Social Media Information, LLC CO CGR \$8,644 \$0 \$0 \$0 Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	Thread, LLC	\$8,820	\$0	\$5,781	\$5,781
Ingmar Medical, Ltd.		\$8,797	\$0	\$1,367	\$1,367
BioMagnetic Solutions, LLC \$8,694 \$0 \$0 Social Media Information, LLC CO CGR \$8,644 \$0 \$0 Holdings \$8,644 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874		\$8,774	\$0	\$17,404	\$17,404
Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874		\$8,694	\$0	\$0	
Holdings \$8,644 \$0 \$0 \$0 ChemImage Corporation \$8,642 \$0 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	Social Media Information, LLC CO CGR				
ChemImage Corporation \$8,642 \$0 \$0 JIT Prototyping, LLC \$8,615 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	· ·	\$8,644	\$0	\$0	\$0
JIT Prototyping, LLC \$8,615 \$0 \$0 Seco/Warwick Corporation \$8,468 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	_	-			\$0
Seco/Warwick Corporation \$8,468 \$0 \$0 Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874					\$0
Jarus Technologies Incorporated \$8,394 \$0 \$16,167 \$4,389 Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874					\$0
Beaumont Development, LLC \$8,273 \$0 \$18,591 \$18,591 R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874	-		·		\$4,389
R.M. Palmer Company \$8,158 \$0 \$1,874 \$1,874					
					\$0

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Campus Door Holdings, Inc.	\$8,121	\$0	\$0	\$0
Polytek Development Corp.	\$8,019	\$0	\$0	\$0
Gonnella Baking Company	\$7,982	\$0	\$6,398	\$0
Forge Life Sciences, LLC	\$7,959	\$0	\$0	\$0
PhotoMedex, Inc.	\$7,916	\$0	\$0	\$0
Biocoat, Inc.	\$7,906	\$0	\$27,991	\$27,991
Penn State Construction J&D, LLC	\$7,881	\$0	\$0	\$0
Solo Laboratories, Inc.	\$7,869	\$0	\$13,377	\$13,377
General Transervice, Inc.	\$7,832	\$0	\$1,239	\$1,239
Rubitection, Inc.	\$7,731	\$0	\$3,180	\$3,180
SAS Institute, Inc.	\$7,707	\$0	\$5,337	\$5,337
Drakontas, LLC	\$7,694	\$0	\$6,737	\$6,737
Godshalls Quality Meats, Inc.	\$7,528	\$0	\$9,876	\$9,876
Talencea Corporation	\$7,460	\$0	\$6,981	\$6,981
Encentiv Energy, LLC (p/k/a All Facilities	. ,	77	, -,-,-	¥ - 7 - 2 -
Energy Corp.)	\$7,409	\$0	\$0	\$0
ASC Group, Inc.	\$7,397	\$0	\$0	\$0
Die-Tech, Inc.	\$7,363	\$0	\$16,277	\$75
Cent, LLC	\$7,341	\$0	\$0	\$0
Cover Crop Solutions, LLC	\$7,277	\$0	\$0	\$0
PoweredAnalytics, Inc.	\$7,239	\$0	\$0	\$0
Macron Dynamics, LLC	\$7,214	\$0	\$0	\$0
Pivitec, LLC	\$7,162	\$0	\$19,413	\$19,413
Linear Acoustic, Inc.	\$7,158	\$0	\$0	\$0
Talbar, Inc.	\$7,058	\$0	\$45,316	\$0
Hamilton Precision Metals, Inc.	\$7,010	\$0	\$0	\$0
PDQ Industries, Inc.	\$7,001	\$0	\$23,751	\$3,794
Medical Products Laboratories, Inc.	\$6,956	\$0	\$7,371	\$83
Montgomery Bros. Plumbing & Heating, LLC	\$6,921	\$0	\$0	\$0
Chelsea Building Products, Inc.	\$6,902	\$0	\$12,961	\$12,961
Cellular Tracking Technologies, LLC	\$6,869	\$0	\$10,029	\$10,029
CM3 Building Solutions, Inc.	\$6,864	\$0	\$20,186	\$20,186
E.A. Fischione Instruments, Inc.	\$6,837	\$0	· ·	
Glen Carbide, Inc.	\$6,802	\$0	\$8,394	\$8,394
Professional Staffing Solutions, LLC	\$6,722	\$0	\$0	\$0
Custom Processing Services, LLC	\$6,712	\$0	\$1,018	\$0
National Magnetics Group, Inc.	\$6,701	\$0	\$0	\$0
Leidos, Inc. (f/k/a Science Applications	\$5,.51	70	70	40
International Corp.)	\$6,684	\$0	\$51,521	\$28,303
Big B Manufacturing, Inc.	\$6,657	\$0	\$34,872	\$0
Fabri-Kal Corporation	\$6,656	\$0	\$0	\$0
Lancaster Oil Company	\$6,648	\$0	\$0	\$0
Scheerer Bearing Corporation	\$6,648	\$0	\$0	\$0
Rushabh Instruments, LLC	\$6,616	\$0	\$0	\$0
Eastern Manufacturing, Inc.	\$6,549	\$0	\$2,610	\$2,610
Dental Design Labs, Inc.	\$6,536	\$0	\$0	\$0
New Standard Corporation	\$6,489	\$0	\$5,298	\$573
Triumph Interiors, LLC	\$6,474	\$0	\$1,856	\$0
Matrix Operations, LLC	\$6,419	\$0	\$0	\$0
Controls Fusion Group, LP	\$6,396	\$0	\$11,992	\$11,603
VolPstreet, Inc.	\$6,362	\$0	\$0	\$0
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	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Havis, Inc.	\$6,336	\$0	\$5,626	\$0
Adelphi Kitchens, Inc.	\$6,203	\$0	\$0	\$0
Integration Technology Systems, Inc.	\$6,192	\$0	\$0	\$0
Climatech Holding Companies, Inc.	\$6,144	\$0	\$0	\$0
Pittsburgh Logistics System, Inc.	\$6,113	\$0	\$7,737	\$0
Shanks Extracts, Inc.	\$6,033	\$0	\$1,029	\$350
Crestline Software, LLC	\$6,025	\$0	\$0	\$0
Panelshop.com, LLC	\$6,001	\$0	\$0	\$0
Weld Tooling Corporation	\$5,999	\$0	\$0	\$0
Abbott Furnace Company, Inc.	\$5,942	\$0	\$18,963	\$18,963
David Michael & Co., Inc.	\$5,906	\$0	\$4,385	\$4,214
Hodge Tool Company, Inc.	\$5,883	\$0	\$24,162	\$0
Neuro Kinetics, Inc.	\$5,878	\$0	\$0	\$0
Ernst Conservation Seeds, Inc.	\$5,873	\$0	\$10,974	\$4,449
Pure Fishing, Inc.	\$5,872	\$0 \$0	\$10,374	\$0
Herkules USA Corporation	\$5,827	\$0	\$7,893	\$653
·	\$5,827 \$5,822	\$0 \$0	\$0,893	\$033 \$0
Aberdeen Road Company AT&T Services, Inc.	\$5,822 \$5,766	\$0 \$0	\$141,454	\$4,957
·		\$0 \$0		
Embedded Energy Technology, LLC	\$5,752	\$0 \$0	\$2,558 \$7,203	\$2,558
Newman & Company, Inc.	\$5,743	· ·	\$7,203	\$0
Blue Ridge Pressure Castings, Inc.	\$5,720 \$5,720	\$0	\$0	\$0
Savage Visual Effects	\$5,719	\$0	\$0	\$0
O.F. Zurn Company	\$5,651	\$0	\$5,141	\$5,141
Viking Tool & Gage, Inc.	\$5,644	\$0	\$10,061	\$5,860
Ranbar Electrical Materials, Inc.	\$5,636	\$0	\$69,014	\$69,014
Circadiance, LLC	\$5,529	\$0	\$8,823	\$0
Hunsicker Emissions Services, LLC	\$5,492	\$0	\$0	\$0
Dontech, Inc.	\$5,485	\$0	\$1,847	\$1,847
Prescient Weather, Ltd.	\$5,402	\$0	\$0	\$0
Easthill Specialty, Inc.	\$5,344	\$0	\$19,218	\$19,218
Bitronics, LLC	\$5,330	\$0	\$92,145	\$92,145
TIW Technology, Inc.	\$5,325	\$0	\$1,061	\$0
Henry Molded Products, Inc.	\$5,298	\$0		
Runabout Media Group, LLC	\$5,276	\$0	\$0	\$0
Port Erie Plastics, Inc.	\$5,217	\$0	\$6,920	\$6,920
The Milnes Co., Inc.	\$5,205	\$0	\$88,109	\$64,265
Pittsburgh Plastics Mfg, Inc.	\$5,205	\$0	\$10,851	\$10,370
SupplyOne, Inc.	\$5,180	\$0	\$0	\$0
Markovitz Enterprises, Inc.	\$5,173	\$0	\$17,901	\$17,901
Hosler Corp.	\$5,126	\$0	\$6,280	\$6,280
J Baur Machining, Inc.	\$5,025	\$0	\$6,167	\$6,167
Fitbit, Inc.	\$5,019	\$0	\$0	\$0
Shaw Industries, Inc.	\$4,921	\$0	\$30,717	\$5,794
Ecore International, Inc.	\$4,915	\$0	\$0	\$0
AH Sportswear Co., Inc.	\$4,828	\$0	\$20,262	\$0
Boehringer Ingelheim Pharmaceuticals, Inc.	\$4,825	\$0	\$33,421	\$13,670
Lignolink, Inc.	\$4,824	\$0	\$0	\$0
Omega Flex, Inc.	\$4,812	\$0	\$0	\$0
Schramm, Inc.	\$4,685	\$0	\$167,359	\$1,121
Wolf Technologies, LLC	\$4,683	\$0	\$164	\$75
BirdBrain Technologies, LLC	\$4,673	\$0	\$2,575	\$2,575

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Minnotte Contracting Corporation	\$4,666	\$0	\$1,580	\$1,580
Genossis, LLC	\$4,611	\$0	\$3,670	\$0
CSE Corporation	\$4,609	\$0	\$0	\$0
Solar Innovations, Inc.	\$4,601	\$0	\$22,322	\$22,316
Compu-Craft Fabricator, Inc.	\$4,563	\$0	\$8,834	\$8,834
Spring City Electrical Mfg. Co.	\$4,560	\$0	\$5,902	\$5,902
Amplifier Research Corp.	\$4,546	\$0	\$44,860	\$0
TLC North, LLC	\$4,429	\$0	\$6,034	\$6,034
Crystal, Inc PMC	\$4,235	\$0	\$8,459	\$4,020
Delmont Laboratories, Inc.	\$4,221	\$0	\$8,803	\$7
SKC, Inc.	\$4,213	\$0	\$15,381	\$8,982
VascularStrategies, LLC	\$4,186	\$0	\$17,130	\$17,130
Clinical Financial Services, LLC	\$4,175	\$0	\$0	\$0
Reaxis, Inc.	\$4,135	\$0	\$13,561	\$12,948
Creative Bending Systems, Inc.	\$4,108	\$0	\$0	\$0
Fairmount Foundry, Inc.	\$4,102	\$0	\$34,775	\$34,775
Devine Brothers, Inc.	\$4,094	\$0	\$0	\$0
Ascent Bio-Nano Technologies, Inc.	\$4,073	\$0	\$0	\$0
Resonate, LLC	\$3,894	\$0	\$0	\$0
Packworld USA, Ltd.	\$3,801	\$0	\$12,122	\$28
American Turned Products, Inc.	\$3,715	\$0	\$30,634	\$30,634
Misco Products Corporation	\$3,715	\$0	\$1,192	\$1,192
MGS, Inc.	\$3,690	\$0	\$714	\$714
Harry Miller Corporation	\$3,680	\$0	\$17,285	\$265
Briar Valley Vineyards and Winery, Inc.	\$3,672	\$0	\$0	\$0
LCR Electronics	\$3,649	\$0	\$24,956	\$2,032
Mapquest PA, Inc.	\$3,604	\$0	\$0	\$0
Nazareth Industrial Corporation	\$3,599	\$0	\$40,025	\$40,025
Martins Famous Pastry Shoppe, Inc.	\$3,581	\$0	\$0	\$0
Amgen USA, Inc.	\$3,556	\$0	\$0	\$0
Rockland, Inc.	\$3,523	\$0	\$0	\$0
Tetralogic Pharmaceuticals Corporation	\$3,426	\$0	\$13,30 7	\$2,937
Kenco Corporation	\$3,361	\$0		
Ezeflow USA, Inc.	\$3,328	\$0		\$0
Eagle Spinco, Inc.	\$3,265	\$0	\$0	\$0
Advanced Textile Composites, Inc.	\$3,249	\$0		\$12,447
Erdman Anthony Associates, Inc.	\$3,248	\$0		\$6,697
Kermitool Acquisition Company, Inc.	\$3,157	\$0		\$0,037
Vitrius Technology, LLC	\$3,157	\$0	·	\$0
Tyrone Milling	\$3,155	\$0		\$11,921
R-V Industries, Inc.	\$3,105	\$0		\$2,881
Georgia Pacific Consumer Products, LP	\$3,024	\$0 \$0		\$0
Laminated Materials Corporation	\$2,843	\$0	·	\$0
School Gate Guardian, Inc.	\$2,800	\$0 \$0		\$2,043
Highwood USA, LLC	\$2,789	\$0 \$0	\$2,043 \$12,692	\$2,043
American Hydro Corporation	\$2,789	\$0 \$0	\$12,692	\$39 \$0
Atlas Minerals & Chemicals, Inc.	\$2,628	\$0 \$0		\$1,291
Forms and Surfaces, Inc.	\$2,580	\$0 \$0		\$1,291
Industrial Vision Systems, Inc.	\$2,580 \$2,571	\$0 \$0	·	\$22,398 \$156
			· ·	
Sealstrip Corporation LWI & Associates, Inc.	\$2,553 \$2,553	\$0 \$0		\$29,804 \$0
LVVI & ASSOCIATES, IIIC.	\$2,553	\$0	\$0	\$0

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Lebanon Tool Company, Inc.	\$2,550	\$0	\$11,183	\$2,938
AFP Advanced Food Products, LLC	\$2,522	\$0	\$2,159	\$2,159
SDLC Management, Inc.	\$2,445	\$0	\$0	\$0
Schlouch Incorporated	\$2,380	\$0	\$0	\$0
ActivAided Orthotics, LLC	\$2,371	\$0	\$0	\$0
Royal Window & Door Profiles Plant 13, Inc.	\$2,294	\$0	\$0	\$0
GasBreakers, Inc.	\$2,253	\$0	\$0	\$0
Omega Design Corporation	\$2,229	\$0	\$36,800	\$87
Insinger Machine Company	\$2,222	\$0	\$15,316	\$15,296
Tekgard, Inc.	\$2,140	\$0	\$0	\$0
Hydac Technology Corp.	\$2,099	\$0	\$4,465	\$4,465
Georgia Pacific Corrugated II, LLC	\$2,063	\$0	\$192	\$192
M.H. Eby, Inc.	\$2,042	\$0 \$0	\$192	\$0
Frewmill Die Crafts, Inc.	\$2,040	\$0	\$0	\$0
Rapid Reaction, Inc.	\$2,003	\$0 \$0	\$775	\$775
Magnatech International, Inc.	\$1,960	\$0 \$0	\$9,101	\$9,101
Noble MD, Inc.	\$1,900 \$1,947	\$0 \$0	\$9,101	\$9,101
PressTech Enterprises, Inc.	\$1,94 <i>7</i> \$1,935	\$0 \$0	\$0 \$0	\$0 \$0
Greenwich Terminals, LLC	\$1,897	\$0 \$0	\$0 \$0	\$0
DME Alliance, Inc.	\$1,880	\$0 \$0	\$0 \$0	\$0 \$0
McAdoo & Allen, Inc.		\$0 \$0	-	\$2,588
Beiler Hydraulics, Inc.	\$1,827	\$0 \$0	\$4,163 \$0	\$2,388
Adaptive Resources, Inc.	\$1,819	\$0 \$0	\$1,887	\$0 \$147
Minus 100, LLC	\$1,784 \$1,786	\$0 \$0	· ·	\$147
Keystone Manufacturing, Inc.	\$1,766 \$1,740	\$0 \$0	\$0 \$0	\$0 \$0
Regal Cast, Inc.		3	\$339	\$0 \$155
9	\$1,714 \$4,602	\$0 \$0		
Resco Products, Inc.	\$1,692	\$0 \$0	\$2,876	\$2,876
Acopian Technical Company	\$1,679	\$0	\$6,160 \$40,635	\$6,160
PennTecQ, Inc.	\$1,640		\$10,625	\$10,625
Backflips, Inc.	\$1,581 \$4,540	\$0 \$0	\$0 \$27,982	\$0
Diversified Machine, Inc.	\$1,549	\$0		\$0
S&S X-Ray Products, Inc.	\$1,512	\$0	\$656	\$99
Thomas Erie, Inc.	\$1,491	\$0		
TB Woods Incorporated	\$1,482	\$0	\$6,917	\$542
Axalta Coating Systems, LLC	\$1,422	\$0	\$0	\$0
Blair Companies	\$1,418	\$0	\$0	\$0
Z3 Concepts	\$1,342	\$0	\$0	\$0
PSG Controls, Inc.	\$1,248	\$0	\$1,943	\$1,943
Supreme Mid-Atlantic Corp.	\$1,245	\$0	\$2,042	\$593
RichardsApex, Inc.	\$1,238	\$0	\$0	\$0
Worldwide Refractories, Inc.	\$1,236	\$0	\$3,891	\$90
Caledonian Dye Works, Inc.	\$1,197	\$0	\$1,525	\$0
American Textile Company, Inc.	\$1,189	\$0	\$4,525	\$4,516
Rexmet Corporation	\$1,188	\$0	\$0	\$0
Agricultural Systems International	\$1,184	\$0	\$0	\$0
Max Levy Autograph, Inc.	\$1,138	\$0	\$9,462	\$0
Tri-City Marble, LLC	\$1,115	\$0	\$1,236	\$1,236
Peacock Laboratories	\$1,092	\$0	\$2,473	\$2,473
Preferred Security Components, Inc.	\$1,060	\$0	\$4,847	\$0
RD Coatings, Inc.	\$1,041	\$0	\$30,102	\$30,102
Delserro Engineering Solutions, Inc.	\$1,013	\$0	\$7,817	\$3,678

Actuated Medical, Inc. (f/k/a Piezo Resonance Innovations, Inc.			_		
Taxpaper Name		2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
CDG Environmental, LLC \$1,000 \$0 \$0,000 \$0	Taxpaver Name		Utilized 1		Credit Utilized 1
AMETEK Technical & Industrial Products, Inc. Levan Machine Co., Inc. \$979 \$0 \$3,386 \$3,386 \$0,386 \$3,386 \$0,386 \$0,386 \$0,386 \$0,386 \$0,50 \$0,50 \$0,50 \$0,		\$1.008	\$0	\$8.686	\$8.686
Levan Machine Co., Inc. Polymer Molding, Inc. \$968 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	•	•			
Polymer Moldring, Inc. Amity Industries, Inc. S951 \$0 \$0 \$0 Amity Industries, Inc. S951 \$0 \$		-	·	• •	
Amity Industries, Inc. Map Decisions, LLC \$330 \$30 \$30 \$30 \$30 \$30 \$30 \$		*	-		
Map Decisions, LLC	-	-		·	
X-F Enterprises, Inc. W.W. Patterson Company W.W. Patterson Company S909 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			-	•	
W.W. Patterson Company	•	-	-		
LRT Sensors, LLC	•	-	·		
Boose at Cornwall, Inc.		*		* -	
Nitromega Corporation	:	-	·	· · · · · · · · · · · · · · · · · · ·	
Polymer Products Company, Inc. \$724	•		· ·	· ·	
Dynamic Materials Corporation \$674 \$0 \$17,613 \$2,461		-	-		
Target Precision, LLC		-	·	•	
Hydro-Pac, Inc.		* -	-	•	
Materion Brush, Inc. (Ifk/a Brush Wellman, Inc.) \$361 \$0 \$2,428 \$228 Implementation Consulting Service \$346 \$0 \$1,806 \$1,808 \$1,689	·	-		· ·	
Materion Brush, Inc. (I/Ik/a Brush Wellman, Inc.) \$361 \$0 \$2,428 \$282 Implementation Consulting Service \$346 \$0 \$1,806 \$1,806 Videomining Corporation \$322 \$0 \$0 \$0 Lozier Corporation \$319 \$0 \$163 \$163 DecisionPro, Inc. \$298 \$0 \$0 \$0 TekResults, Ltd. \$299 \$0 \$1,689 \$1,689 Adventus Technology, Inc. \$292 \$0 \$413 \$0 Columbia Research Laboratories, Inc. \$218 \$0 \$0 \$0 Ganalia, LLC \$201 \$0 \$0 \$0 SpBM, Inc. \$187 \$0 \$2,660 \$2,860 Northpoint Distribution, LLC \$165 \$0 \$0 \$0 Jetbolt Games, Inc. \$155 \$0 \$0 \$0 Vista Auctions, LLC \$155 \$0 \$3,354 \$3,354 EF Precision, Inc. \$122 \$0 \$7,343 \$4,503	-		· ·		
Implementation Consulting Service		-	-		
Videomining Corporation		-			·
DecisionPro, Inc. \$298 \$0 \$163 \$16	· ·		· ·	•	
DecisionPro, Inc. \$298	• .	-	·		·
TekResults, Ltd.			-	·	·
Adventus Technology, Inc. \$292 \$0 \$413 \$0 Columbia Research Laboratories, Inc. \$218 \$0 \$0 \$0 GanaLila, LLC \$201 \$0 \$0 \$0 BPM, Inc. \$187 \$0 \$2,860 \$2,860 Northpoint Distribution, LLC \$165 \$0 \$0 \$0 Jetbolt Games, Inc. \$155 \$0 \$0 \$0 Jetbolt Games, Inc. \$152 \$0 \$3,354 \$3,354 EF Precision, Inc. \$122 \$0 \$7,343 \$4,503 Eagle Brass Company \$108 \$0 \$0 \$0 So Georgia Pacific Corrugated, LLC \$75 \$0 \$219 \$219 Neville Chemical Company \$62 \$0 \$793 \$363 Honeywell Electronic Materials, Inc. \$43 \$0 \$7,078 \$7,078 Leech Industries, Inc. \$27 \$0 \$9,353 \$9,353 Emphasys Technologies \$14 \$0 \$54,222 \$54,222 AcademyOne, Inc. \$0 \$0 \$30,602 \$30,602 Actoo Tool & Manufacturing Company, Inc. \$0 \$0 \$31,562 \$11,562 Actuated Medical, Inc. (*I/k/a Piezo Resonance Innovations, Inc. \$0 \$0 \$34,183 \$34,183 Aesynt Incorporated (*I/k/a McKesson Automation, Inc.) \$0 \$0 \$34,183 \$34,183 Alpoint Systems, LLC \$0 \$0 \$0 \$3,34,183 \$34,183 Altoratoration, Inc.) \$0 \$0 \$131,349 \$34,221 Air Products and Chemicals, Inc. \$0 \$0 \$0 \$3,7,078 \$0 Allpoint Systems, LLC \$0 \$0 \$0 \$3,7,078 \$0 Allpoint Systems, LLC \$0 \$0 \$0 \$3,7,079 \$0 Allpoint Phermal Technologies, Inc. \$0 \$0 \$0 \$3,7,098 \$0 Allpoint Phermal Technologies, Inc. \$0 \$0 \$0 \$3,7,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$3,2,911 \$6,280		-	-	, -	· ·
Columbia Research Laboratories, Inc. \$218 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	·	-	·	•	
SamaLila, LLC			-	·	
PBM, Inc. \$187 \$0 \$2,860 \$2,860 Northpoint Distribution, LLC \$165 \$0 \$0 \$0 Jetbolt Games, Inc. \$155 \$0 \$0 \$0 Vista Auctions, LLC \$152 \$0 \$3,354 \$3,354 EF Precision, Inc. \$122 \$0 \$7,343 \$4,503 Eagle Brass Company \$108 \$0 \$0 \$0 Georgia Pacific Corrugated, LLC \$75 \$0 \$219 \$219 Neville Chemical Company \$62 \$0 \$793 \$363 Honeywell Electronic Materials, Inc. \$43 \$0 \$7,078 \$7,078 Leech Industries, Inc. \$27 \$0 \$9,353 \$9,353 Emphasys Technologies \$14 \$0 \$54,222 \$54,222 AcademyOne, Inc. \$0 \$0 \$30,602 \$30,602 Actuo Tool & Manufacturing Company, Inc. \$0 \$0 \$34,183 \$34,183 Aesynt Incorporated (f/k/a McKesson \$0 \$0 \$34,183		-		·	
Northpoint Distribution, LLC			-	-	
Set	·	-		·	
Vista Auctions, LLC \$152 \$0 \$3,354 \$3,354 EF Precision, Inc. \$122 \$0 \$7,343 \$4,503 Eagle Brass Company \$108 \$0 \$0 \$0 Georgia Pacific Corrugated, LLC \$75 \$0 \$219 \$219 Neville Chemical Company \$62 \$0 \$793 \$363 Honeywell Electronic Materials, Inc. \$43 \$0 \$7,078 \$7,078 Leech Industries, Inc. \$27 \$0 \$9,353 \$9,353 Emphasys Technologies \$14 \$0 \$54,222 \$54,222 AcademyOne, Inc. \$0 \$0 \$30,602 \$30,602 Actoo Tool & Manufacturing Company, Inc. \$0 \$0 \$11,562 Actuated Medical, Inc. (f/k/a Piezo Resonance Innovations, Inc. \$0 \$0 \$34,183 \$34,183 Aesynt Incorporated (f/k/a McKesson \$0 \$0 \$131,349 \$34,221 Air Products and Chemicals, Inc. \$0 \$0 \$131,349 \$34,221 Air Products and Chemicals, Inc.	=	-		-	
EF Precision, Inc. \$122 \$0 \$7,343 \$4,503 Eagle Brass Company \$108 \$0 \$0 \$0 Georgia Pacific Corrugated, LLC \$75 \$0 \$219 \$219 Neville Chemical Company \$62 \$0 \$793 \$363 Honeywell Electronic Materials, Inc. \$43 \$0 \$7,078 \$7,078 Leech Industries, Inc. \$27 \$0 \$9,353 \$9,353 Emphasys Technologies \$14 \$0 \$54,222 \$54,222 AcademyOne, Inc. \$0 \$0 \$30,602 \$30,602 Actoo Tool & Manufacturing Company, Inc. \$0 \$0 \$11,562 Actuated Medical, Inc. (f/k/a Piezo Resonance Innovations, Inc. \$0 \$0 \$34,183 Aesynt Incorporated (f/k/a McKesson Automation, Inc.) \$0 \$0 \$131,349 Air Products and Chemicals, Inc. \$0 \$0 \$131,349 Allpoint Systems, LLC \$0 \$0 \$40,938 \$0 Allpoint Systems, LLC \$0 \$0 \$1,751 \$0 Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280 Alaytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280 Alaytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280 Analytical Graphics, Inc. \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	•		· ·	• -	
Eagle Brass Company	·	-		•	
Seorgia Pacific Corrugated, LLC	,	-		·	
Neville Chemical Company \$62					
Honeywell Electronic Materials, Inc.	<u> </u>				
Leech Industries, Inc. \$27					
Emphasys Technologies	-	· ·	-		
AcademyOne, Inc. Actor Tool & Manufacturing Company, Inc. Actuated Medical, Inc. (f/k/a Piezo Resonance Innovations, Inc. Acsynt Incorporated (f/k/a McKesson Automation, Inc.) Alipoint Systems, LLC Alpine Thermal Technologies, Inc. Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) Alung Technologies, Inc. Alung Technologies, Inc. Analytical Graphics, Inc. \$0 \$0 \$33,602 \$30,602 \$311,562 \$11,562 \$11,562 \$111,562 \$11,562		· ·		•	
Actco Tool & Manufacturing Company, Inc. Actuated Medical, Inc. (f/k/a Piezo Resonance Innovations, Inc. Aesynt Incorporated (f/k/a McKesson Automation, Inc.) Air Products and Chemicals, Inc. Allpoint Systems, LLC Alpine Thermal Technologies, Inc. Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) Alung Technologies, Inc. Alung Technologies, Inc. Alung Technologies, Inc. Analytical Graphics, Inc. \$0 \$0 \$131,349 \$34,221 \$0 \$0 \$131,349 \$34,221 \$0 \$0 \$40,938 \$0 \$0 \$6,124 \$3,664 \$1,751 \$0 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$0 \$0 \$1,751 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$		\$14			
Actuated Medical, Inc. (f/k/a Piezo Resonance Innovations, Inc.	,	·			\$30,602
Innovations, Inc.	Actco Tool & Manufacturing Company, Inc.	\$0	\$0	\$11,562	\$11,562
Aesynt Incorporated (f/k/a McKesson \$0 \$0 \$131,349 \$34,221 Air Products and Chemicals, Inc. \$0 \$0 \$40,938 \$0 Allpoint Systems, LLC \$0 \$0 \$6,124 \$3,664 Alpine Thermal Technologies, Inc. \$0 \$0 \$1,751 \$0 Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	, ,				
Automation, Inc.) Air Products and Chemicals, Inc. Allpoint Systems, LLC Allpine Thermal Technologies, Inc. Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) Alung Technologies, Inc. American Reading Company, Inc. \$0 \$0 \$131,349 \$34,221 \$0 \$0 \$40,938 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$0 \$0 \$1,751 \$1	Innovations, Inc.	\$0	\$0	\$34,183	\$34,183
Air Products and Chemicals, Inc. \$0 \$0 \$40,938 \$0 Allpoint Systems, LLC \$0 \$0 \$6,124 \$3,664 Alpine Thermal Technologies, Inc. \$0 \$0 \$1,751 \$0 Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Aesynt Incorporated (f/k/a McKesson				
Allpoint Systems, LLC \$0 \$0 \$6,124 \$3,664 Alpine Thermal Technologies, Inc. \$0 \$0 \$1,751 \$0 Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Automation, Inc.)	\$0	\$0	\$131,349	\$34,221
Alpine Thermal Technologies, Inc. \$0 \$0 \$1,751 \$0 Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Air Products and Chemicals, Inc.	\$0		\$40,938	\$0
Altra Power Transmission, Inc. (f/k/a Altra Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Allpoint Systems, LLC	\$0	\$0	\$6,124	\$3,664
Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Alpine Thermal Technologies, Inc.	\$0	\$0	\$1,751	\$0
Industrial Motion, Inc.) \$0 \$0 \$37,498 \$0 Alung Technologies, Inc. \$0 \$0 \$4,885 \$4,885 American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Altra Power Transmission, Inc. (f/k/a Altra				
American Reading Company, Inc. \$0 \$0 \$7,723 \$7,723 Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280		\$0	\$0	\$37,498	\$0
Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	Alung Technologies, Inc.	\$0	\$0	\$4,885	\$4,885
Analytical Graphics, Inc. \$0 \$0 \$32,911 \$6,280	American Reading Company, Inc.	\$0	\$0	\$7,723	\$7,723
		\$0	\$0		\$6,280
, -	ANSYS, Inc.	\$0	\$0		\$0

Arsenault Associates, Inc. (Ifkla Charies J. Arsenault, Inc.) Arsenault, Inc.) So					
AntakaMatics, Inc. Applied Systems Associates, Inc. Applied Systems Associates, Inc. Applied Systems Associates, Inc. So Applied Systems Associates, Inc. So Applied Systems Associates, Inc. So Arsenault, Inc. So So So Stata, 338 Arsenault Associates, Inc. (IfVia Charles J. Arsenault, Inc. So So So Stata, 3310 State, 3311 State,		2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Applied Systems Associates, Inc. Aprecia Pharmaceuticals Company, Inc. So Aprecia Pharmaceuticals Company, Inc. So Aprecia Pharmaceuticals Company, Inc. So So So Sta, 53, 50 Sta, 53, 50 Sta, 53, 50 Arsenault, Inc. So So So Sta, 53, 50 Sta, 50 Sta	Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Aprecia Pharmaceuticals Company, Inc. Arsenault Rasociatos, Inc. (IMa Charles J. Arsenault Rasociatos, Inc. (IMa Charles J. Arsenault, Inc.) \$0 \$0 \$0 \$53,310 \$18,287 Ashland, Inc. Altimoduli Systems, Inc. \$0 \$0 \$0 \$124,909 \$0 Automated Financial Systems, Inc. \$0 \$0 \$0 \$15,151 \$18,151 Avery Dennison Retail Info. Services, LLC \$0 \$0 \$0 \$0 \$72,642 \$10,401 Avery Dennison Retail Info. Services, LLC \$0 \$0 \$0 \$24,909 \$24,808 Avianna Molecular Technologies, LLC \$0 \$0 \$0 \$24,808 \$24,808 Avianna Molecular Technologies, LLC \$0 \$0 \$0 \$33,885 \$33,985 Axion Power Battery Mfg, Inc. \$0 \$0 \$0 \$31,285 \$33,985 Axion Power Battery Mfg, Inc. \$0 \$0 \$0 \$1,126 \$11,26 Benjamin Obdyke, Inc. \$0 \$0 \$0 \$1,126 \$11,26 Benjamin Obdyke, Inc. \$0 \$0 \$0 \$31,73 \$0 Bentley Systems Incorporated \$0 \$0 \$0 \$1,126 \$11,746 \$0 Bernier Systems Incorporated \$0 \$0 \$0 \$12,002 \$12,002 Bernier Systems Incorporated \$0 \$0 \$0 \$12,002 \$12,002 Bio Rad Laboratories, Inc. \$0 \$0 \$0 \$31,775 \$8,870 Bio Clinica, Inc. Bio Clinica, Inc. \$0 \$0 \$0 \$3,31,45 \$33,145 BioNano Genomics, Inc. (Ifk/a BioNano Genomics, Inc. (Ifk/a) BioNano Genomics,	AntakaMatics, Inc.	\$0	\$0	\$170	\$0
Arsenault Associates, Inc. (Ifk/a Charles J. Arsenault, Inc.) \$0 \$0 \$0 \$24,999 \$0 \$0 AT&T Mobility Services, LLC \$0 \$0 \$0 \$95,242 \$0 \$0 AT&T Mobility Services, LLC \$0 \$0 \$0 \$95,242 \$10,401 \$0 Automated Financial Systems, Inc. \$0 \$0 \$0 \$95,242 \$10,401 \$0 Automated Financial Systems, Inc. \$0 \$0 \$0 \$18,151 \$18,151 \$18,151 \$0 Avery Dennison Corporation \$0 \$0 \$0 \$72,642 \$10,401 \$0 Avery Dennison Corporation \$0 \$0 \$0 \$24,808 \$24,808 \$24,808 \$10,401 \$0 Avery Dennison Retail Info. Services, LLC \$0 \$0 \$0 \$0 \$33,985 \$24,808 \$24,808 \$10,401 \$0 Avery Dennison Retail Info. Services, LLC \$0 \$0 \$0 \$0 \$33,985 \$24,808 \$24,808 \$10,401 \$0 Avery Dennison Retail Info. Services, LLC \$0 \$0 \$0 \$0 \$33,985 \$24,808 \$24,808 \$24,808 \$24,808 \$24,808 \$24,808 \$24,808 \$24,808 \$24,808 \$24,809 \$24,	Applied Systems Associates, Inc.	\$0	\$0	\$59,502	\$59,502
Arsenault, Inc.) Arsenault, Inc.) Ashland, Inc. So So S24,909 So AT&T Mobility Services, LLC So Atternated Financial Systems, Inc. So Automated Financial Systems, Inc. So So S24,808 S24,808 Avery Dennison Corporation Avery Dennison Retail Info. Services, LLC So So S24,808 S24,808 Avianna Molecular Technologies, LLC So So S3,985 S33,985 S33,985 Axion Power Battery Mig, Inc. So So S51,512 BAGManufacturing Co., Inc. So So S21,126 Benjamin Obdyke, Inc. So So S21,173 So Berwind Corporation So Berwind Corporation So So S21,773 So So S21,774 So Servind Corporation So So S21,774 So Servind Corporation So So S21,709 S19,303 S0 S10,002 S	Aprecia Pharmaceuticals Company, Inc.	\$0	\$0	\$183,638	\$0
Arsenault, Inc.) Arsenault, Inc.) Ashland, Inc. So So S24,909 So AT&T Mobility Services, LLC So Atternated Financial Systems, Inc. So Automated Financial Systems, Inc. So So S24,808 S24,808 Avery Dennison Corporation Avery Dennison Retail Info. Services, LLC So So S24,808 S24,808 Avianna Molecular Technologies, LLC So So S3,985 S33,985 S33,985 Axion Power Battery Mig, Inc. So So S51,512 BAGManufacturing Co., Inc. So So S21,126 Benjamin Obdyke, Inc. So So S21,173 So Berwind Corporation So Berwind Corporation So So S21,773 So So S21,774 So Servind Corporation So So S21,774 So Servind Corporation So So S21,709 S19,303 S0 S10,002 S	Arsenault Associates, Inc. (f/k/a Charles J.				
AT&T Mobility Services, LLC \$0		\$0	\$0	\$53,310	\$18,287
Automated Financial Systems, Inc. Avery Dennison Corporation Avery Dennison Retail Info. Services, LLC So So So So So So So So So S	Ashland, Inc.	\$0	\$0	\$24,909	\$0
Avery Dennison Corporation S0 \$72,642 \$10,401 Avery Dennison Retail Info. Services, LLC \$0 \$0 \$24,808 \$24,808 Avianna Molecular Technologies, LLC \$0 \$0 \$33,985 \$33,985 Axion Power Battery Mfg, Inc. \$0 \$0 \$51,512 \$51,512 BAG Manufacturing Co., Inc. \$0 \$0 \$51,126 Benjamin Obdyke, Inc. \$0 \$0 \$2,173 \$0 Bentiley Systems Incorporated \$0 \$0 \$311,746 \$0 Berwind Corporation \$0 \$0 \$311,746 \$0 Berwind Corporation \$0 \$0 \$22,509 \$19,330 Beyer Productions, LLC \$0 \$0 \$12,002 \$12,002 Bio Rad Laboratories, Inc. \$0 \$0 \$44,006 \$44,006 BioBuffer Solutions, Inc. \$0 \$0 \$33,3145 BioClinica, Inc. \$0 \$0 \$33,3145 BioClinica, Inc. \$0 \$0 \$33,3145 BioNano Genomics, Inc. (Ifk/a BioNanoMatrix, Inc.) \$0 \$0 \$33,322 Biome Engineering Company, Inc. \$0 \$0 \$33,322 Biome Engineering Company, Inc. \$0 \$0 \$33,322 Bodymedia, Inc. \$0 \$0 \$33,322 Bodymedia, Inc. \$0 \$0 \$33,322 Bosse Aluminum Foundry Co., Inc. \$0 \$0 \$23,344 Bosose Aluminum Foundry Co., Inc. \$0 \$0 \$35,750 Bostit, Inc. \$0 \$0 \$37,750 Brandywine Photonics, LLC \$0 \$0 \$37,750 Brandywine Photonics, LLC \$0 \$0 \$37,750 Brandywine Photonics, LLC \$0 \$0 \$37,750 Bryton Distribution Group, Inc. \$0 \$0 \$15,112 Bridge Semiconductor Corporation \$0 \$0 \$15,195 Bryton Distribution Group, Inc. \$0 \$0 \$12,830 Bryton Distribution Group, Inc. \$0 \$0 \$13,830 Bryton Distribution Group, Inc. \$	AT&T Mobility Services, LLC	\$0	\$0	\$95,242	\$0
Avery Dennison Retail Info. Services, LLC Avianna Molecular Technologies, LLC So	Automated Financial Systems, Inc.	\$0	\$0	\$18,151	\$18,151
Avianna Molecular Technologies, LLC	Avery Dennison Corporation	\$0	\$0	\$72,642	\$10,401
Avianna Molecular Technologies, LLC	Avery Dennison Retail Info. Services, LLC	\$0	\$0	\$24,808	\$24,808
B&G Manufacturing Co., Inc. S0 \$0 \$1,126 \$1,126 Benjamin Obdyke, Inc. \$0 \$0 \$0 \$2,173 \$0 \$0 \$2,173 \$0 \$0 \$2,173 \$0 \$0 \$1,1746 \$0 \$0 \$0 \$1,1746 \$0 \$0 \$0 \$1,1746 \$0 \$0 \$0 \$1,1746 \$0 \$0 \$0 \$1,1746 \$0 \$0 \$0 \$22,509 \$19,330 \$0 \$12,002	Avianna Molecular Technologies, LLC	\$0	\$0	\$33,985	\$33,985
B&G Manufacturing Co., Inc. S0 \$0 \$1,126	Axion Power Battery Mfg, Inc.	\$0	\$0	\$51,512	\$51,512
Benjamin Obdyke, Inc. \$0	B&G Manufacturing Co., Inc.	\$0	\$0	\$1,126	\$1,126
Bentitey Systems Incorporated \$0	<u> </u>	\$0	\$0	•	\$0
Berwind Corporation \$0		\$0	\$0	\$311,746	\$0
Beyer Productions, LLC		\$0	\$0	•	\$19,330
Bio Rad Laboratories, Inc. \$0		\$0	\$0	\$12,002	
BioBuffer Solutions, Inc. \$0	-	\$0	\$0	\$4,006	\$4,006
BioClinica, Inc. \$0	BioBuffer Solutions, Inc.		\$0	•	\$8,870
BioNano Genomics, Inc. (Ifik/a BioNanoMatrix, Inc.)	•	\$0	\$0	·	
BioNanoMatrix, Inc.) \$0 \$0 \$25,158 \$25,158 Bloom Engineering Company, Inc. \$0 \$0 \$93,543 \$0 BlueSwarf, LLC \$0 \$0 \$3,322 \$0 Bodymedia, Inc. \$0 \$0 \$59,747 \$59,747 Bose Aluminum Foundry Co., Inc. \$0 \$0 \$15,112 \$15,112 Bostik, Inc. \$0 \$0 \$15,112 \$15,112 Brandywine Photonics, LLC \$0 \$0 \$9,750 \$9,750 Breen Energy Solutions, LLC \$0 \$0 \$42,850 \$324 Bridge Semiconductor Corporation \$0 \$0 \$42,850 \$324 Bryton Distribution Group, Inc. \$0 \$0 \$151,995 \$151,995 Bryton Distribution Group, Inc. \$0 \$0 \$719 \$719 BC Technologies, Inc. \$0 \$0 \$1,280 \$1,280 C.F. Martin Co., Inc. \$0 \$0 \$12,839 \$0 Calmet Specialty Product Partners, LP \$0 \$0	·	·		. ,	. ,
Bloom Engineering Company, Inc. \$0		\$0	\$0	\$25,158	\$25,158
BlueSwarf, LLC	•		-		
Bodymedia, Inc. \$0				•	\$0
Boose Aluminum Foundry Co., Inc. \$0		· ·	·	•	
Bostik, Inc. \$0			•	•	
Breen Energy Solutions, LLC	-	\$0	\$0	•	\$15,112
Breen Energy Solutions, LLC	Brandywine Photonics, LLC	\$0	\$0	· ·	\$9,750
Bridge Semiconductor Corporation \$0 \$151,995 \$151,995 Bryton Distribution Group, Inc. \$0 \$0 \$719 \$719 BSC Technologies, Inc. \$0 \$0 \$1,280 \$1,280 C.F. Martin Co., Inc. \$0 \$0 \$788 \$788 Calumet Specialty Product Partners, LP \$0 \$0 \$12,839 \$0 Canto Tool Corporation \$0 \$0 \$200 \$100 Cardinal Systems, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,	=			\$42,850	\$324
Bryton Distribution Group, Inc. \$0				·	·
BSC Technologies, Inc. \$0 \$0 \$1,280 \$1,280 C.F. Martin Co., Inc. \$0 \$0 \$788 \$788 Calumet Specialty Product Partners, LP \$0 \$0 \$12,839 \$0 Canto Tool Corporation \$0 \$0 \$200 \$100 Cardinal Systems, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 Clw Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 Cloud Mine, LLC \$0 <t< td=""><td>Bryton Distribution Group, Inc.</td><td>\$0</td><td>\$0</td><td>\$719</td><td>\$719</td></t<>	Bryton Distribution Group, Inc.	\$0	\$0	\$719	\$719
C.F. Martin Co., Inc. \$0 \$0 \$788 \$788 Calumet Specialty Product Partners, LP \$0 \$0 \$12,839 \$0 Canto Tool Corporation \$0 \$0 \$200 \$100 Cardinal Systems, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 Clw Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 Cloud Computing Technologies, LLC			\$0	\$1,280	\$1,280
Calumet Specialty Product Partners, LP \$0 \$12,839 \$0 Canto Tool Corporation \$0 \$0 \$200 \$100 Cardinal Systems, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 CIW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 Cloud Organa, LLC \$0 \$0 <t< td=""><td>9 .</td><td>\$0</td><td>\$0</td><td></td><td></td></t<>	9 .	\$0	\$0		
Canto Tool Corporation \$0 \$0 \$200 \$100 Cardinal Systems, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 ClW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 Cloud Computing Technologies, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0					\$0
Cardinal Systems, Inc. \$0 \$0 \$9,336 \$9,336 Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 CIW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 Cloud Computing Technologies, LLC \$0 \$0 \$27,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-exprise, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190		\$0	\$0		\$100
Carpenter Powder Products, Inc. \$0 \$0 \$610 \$610 Ceptaris Therapeutics, Inc. \$0 \$0 \$218,212 \$13,336 Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 CIW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 Cloud Computing Technologies, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	Cardinal Systems, Inc.	\$0	\$0	\$9,336	\$9,336
Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 CIW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	-	\$0	\$0	\$610	
Certainteed Corporation \$0 \$0 \$38,925 \$0 Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 ClW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	Ceptaris Therapeutics, Inc.	\$0	\$0	\$218,212	\$13,336
Cheetah Technologies, LP \$0 \$0 \$19,399 \$0 Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 CIW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	Certainteed Corporation	\$0	\$0		\$0
Church & Dwight Co., Inc. \$0 \$0 \$7,179 \$7,179 ClW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	•			•	\$0
CIW Enterprises, Inc. \$0 \$0 \$23,132 \$13 Clair Bros. Audio Systems, Inc. \$0 \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	Church & Dwight Co., Inc.	\$0	\$0		\$7,179
Clair Bros. Audio Systems, Inc. \$0 \$5,906 \$5,906 Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	_				\$13
Clearcount Medical Solutions, Inc. \$0 \$0 \$91,774 \$91,774 Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	Clair Bros. Audio Systems, Inc.	\$0	\$0		\$5,906
Cloud Computing Technologies, LLC \$0 \$0 \$20,923 \$20,923 CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	_				
CloudMine, LLC \$0 \$0 \$17,581 \$17,581 Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190	-				\$20,923
Code Organa, LLC \$0 \$0 \$36,527 \$34,558 Co-eXprise, Inc. \$0 \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190					
Co-eXprise, Inc. \$0 \$18,830 \$0 Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190					\$34,558
Communications Test Design, Inc. \$0 \$0 \$30,596 \$217 Community Networks, LLC \$0 \$0 \$73,190 \$73,190			·		\$0
Community Networks, LLC \$0 \$0 \$73,190 \$73,190	-				\$217
					\$73,190
	Computer Consultant Team, LLC	\$0	\$0	\$19,886	\$19,886

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
ConAgra Foods Enterprise Services, Inc.	\$0	\$0	\$19,218	\$0
Connecticut General Life Insurance Co.	\$0	\$0	\$155,914	\$155,914
Controlled Molding, Inc.	\$0	\$0	\$78,898	\$73,954
Cook Myosite, Inc.	\$0	\$0	\$34,819	\$2,090
Cook Technologies, Inc.	\$0	\$0	\$10,929	\$28
Cordis Corporation	\$0	\$0	\$231,261	\$222,258
Coskata, Inc.	\$0	\$0	\$37,179	\$775
C-P Converters, Inc. (d/b/a C-P Flexible				
Packaging)	\$0	\$0	\$15,801	\$15,801
Creative Engineers, Inc.	\$0	\$0	\$9,793	\$2,099
Crystalplex Corporation	\$0	\$0	\$28,542	\$23,600
CTR Systems Parking, Inc.	\$0	\$0	\$9,347	\$9,347
Custom Isotopes, LLC (f/k/a IsoSciences, LLC)	\$0	\$0	\$26,968	\$26,968
Custom Milling & Consulting, Inc.	\$0	\$0	\$17,701	\$17,701
Cybergenetics Corp.	\$0	\$0	\$3,915	\$193
D and E Machining, Ltd.	\$0	\$0	\$3,255	\$0
Datagrove, Inc.	\$0	\$0	\$50,350	\$20,992
David Horn, LLC	\$0	\$0	\$32,134	\$32,134
Dcroft, Inc.	\$0	\$0	\$99,927	\$99,927
Dean Technology, Inc.	\$0	\$0	\$10,218	\$9,930
Deasey Machine Tool & Die Works, Inc.	\$0	\$0	\$10,020	\$10,020
Dopaco, Inc.	\$0	\$0	\$7,183	\$7,183
Double H Plastics, Inc.	\$0	\$0	\$7,255	\$1,023
Draeger Medical Systems, Inc.	\$0	\$0	\$24,408	\$24,408
DT Davis Enterprises, Ltd. Hovertech				
International	\$0	\$0	\$52,053	\$52,053
Duquesne Brewing Company, Inc.	\$0	\$0	\$5,773	\$0
DynAccess, Ltd.	\$0	\$0	\$1,114	\$1,114
DynaVox Systems, LLC	\$0	\$0	\$89,760	\$84,000
EAM Mosca Corp.	\$0	\$0	\$9,843	\$9,843
East Coast Erosion Blankets, LLC (dba East				
Coast Erosion Control)	\$0	\$0	\$12,960	\$12,950
eBay, Inc.	\$0	\$0	\$622,707	\$208
Edge Robotics, Inc.	\$0	\$0	\$855	\$855
Edgemate, Inc.	\$0	\$0	\$9,718	\$9,718
EFCO, Inc.	\$0	\$0	\$112,574	\$0
EKL Machine, Inc.	\$0	\$0	\$124,792	\$27,218
Electronic Claims Processing, Inc.	\$0	\$0	\$13,634	\$13,634
Electro-Science Laboratories, Inc.	\$0	\$0	\$189,362	\$187,088
Element ID, Inc.	\$0	\$0	\$8,453	\$8,453
Eli Lilly and Company	\$0	\$0	\$8,572,260	\$2,560,957
Elliott Company	\$0	\$0	\$22,160	\$22,160
Ellucian Support, Inc. (f/k/a Sungard Higher				
Education, Inc.)	\$0	\$0	\$6,822	\$6,822
EMC Corporation	\$0	\$0	\$13,626	\$13,626
Emotion Kayaks, Inc.	\$0	\$0	\$48,415	\$48,415
EMS Charts, Inc.	\$0	\$0	\$117,658	\$117,658
Endo Pharmaceuticals, Inc.	\$0	\$0	\$1,427,585	\$1,427,585
Energy Technology Partners, LLC	\$0	\$0	\$42,598	\$42,598
EQT Gathering, Inc.	\$0	\$0	\$9,230	\$9,230
EQT Production Company	\$0	\$0	\$58,709	\$58,709

Taxpayer Name					
Equipois, Inc. \$0 \$0 \$0 \$11,322 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$		2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Expansyn Technologies, Inc. \$0	Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Expert Data Labs, LLC	Equipois, Inc.	\$0	\$0	\$2,632	\$2,632
Fairchild Semiconductor Corporation \$0	Expansyn Technologies, Inc.	\$0	\$0	\$11,322	\$0
FCI USA, LLC	Expert Data Labs, LLC	\$0	\$0	\$59,040	\$59,040
FHM Holding Company, Inc.	Fairchild Semiconductor Corporation	\$0	\$0	\$41,643	\$0
Fiber-Line Holding Company (fl/ka Fiber-Line, Inc.) \$0 \$0 \$21,758 \$21 Fidelity Information Services, Inc. \$0 \$0 \$0 \$3,630 \$3 Filexible Compensators, Inc. (t/a Flex Com) \$0 \$0 \$3,630 \$3 Flexicath, Inc. \$0 \$0 \$0 \$3,630 \$3 Flexicath, Inc. \$0 \$0 \$0 \$36,387 \$18 Flexicath, Inc. \$0 \$0 \$0 \$37,442 FFLSmidth, Inc. \$0 \$0 \$0 \$15,524 \$15 FLSmidth, Inc. \$0 \$0 \$15,524 \$15 Flyer City Media, LLC (d/b/a MetroMe) \$0 \$0 \$14,639 FMC Technologies Measurement Solutions \$0 \$0 \$14,639 FMC Technologies Measurement Solutions \$0 \$0 \$18,223 \$18 Fogmaker North America, LLC \$0 \$0 \$13,368,993 \$54 Forest Research Institute, Inc. \$0 \$0 \$13,368,993 \$54 Four Rivers Software Systems, Inc. \$0 \$0 \$17,645 Four Rivers Software Systems, Inc. \$0 \$0 \$17,645 Forman Foods, Inc. \$0 \$0 \$37,919 Gap Holding Company, Inc. \$0 \$0 \$37,919 Gap Holding Company, Inc. \$0 \$0 \$4,782 Galeon Pharmaceuticals, Inc. \$0 \$0 \$4,782 Garearal Dynamics C4 Systems, Inc. \$0 \$0 \$4,782 General Instrument Corporation \$0 \$0 \$17,649 \$17 General Instrument Corporation \$0 \$0 \$37,799 \$17 General Machine Products Co., Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$33,999 \$17 Garant Street Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$33,959 \$17 Grant Street Group, Inc. \$0 \$0 \$17,649 \$17 Grant Street Group, Inc. \$0 \$0 \$17,649 \$17 Grant Street Group, Inc. \$0 \$0 \$14,26,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$13,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$13,42	FCI USA, LLC	\$0	\$0	\$133,198	\$28,231
Line, Inc.) \$0	FHM Holding Company, Inc.	\$0	\$0	\$5,697	\$5,697
Line, Inc.) \$0	Fiber-Line Holding Company (f/k/a Fiber-				
Finish Thompson, Inc. \$0	. , ,	\$0	\$0	\$21,758	\$21,758
Flexible Compensators, Inc. (t/a Flex Com) \$0 \$0 \$36,387 \$18	Fidelity Information Services, Inc.	\$0	\$0	\$106,512	\$0
Flexicath, Inc. \$0	Finish Thompson, Inc.	\$0	\$0	\$3,630	\$3,630
FLSmidth, Inc. \$0	Flexible Compensators, Inc. (t/a Flex Com)	\$0	\$0	\$36,387	\$18,788
Flyer City Media, LLC (d/b/a MetroMe) \$0	Flexicath, Inc.	\$0	\$0	\$27,442	\$0
FMC Technologies Measurement Solutions \$0 \$78,117 Foam Fair Industries, Inc. \$0 \$0 \$18,223 \$18 Fogmaker North America, LLC \$0 \$0 \$18,365 \$18 Forest Research Institute, Inc. \$0 \$0 \$1,368,993 \$54 Four Rivers Software Systems, Inc. \$0 \$0 \$8,703 \$1 Fox Chase Chemical Diversity Center \$0 \$0 \$6,150 Fox Chase Chemical Diversity Center \$0 \$0 \$6,150 Furman Foods, Inc. \$0 \$0 \$6,150 GAI Consultants, Inc. \$0 \$0 \$8,853 \$8 Galleon Pharmaceuticals, Inc. \$0 \$0 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$37,919 \$38,853 \$8 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38 \$38<	FLSmidth, Inc.	\$0	\$0	\$15,524	\$15,524
FMC Technologies Measurement Solutions \$0	Flyer City Media, LLC (d/b/a MetroMe)	\$0	\$0	\$14,639	\$0
Fogmaker North America, LLC		\$0	\$0	\$78,117	\$0
Forest Research Institute, Inc. \$0	Foam Fair Industries, Inc.	\$0	\$0	\$18,223	\$18,223
Four Rivers Software Systems, Inc.	Fogmaker North America, LLC	\$0	\$0	\$18,365	\$18,365
Fox Chase Chemical Diversity Center \$0 \$0 \$17,645 Furman Foods, Inc. \$0 \$0 \$6,150 GAI Consultants, Inc. \$0 \$0 \$8,853 \$8 Galleon Pharmaceuticals, Inc. \$0 \$0 \$37,919 \$0 \$37,919 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$15,629 \$0 \$0 \$0 \$15,629 \$0	Forest Research Institute, Inc.	\$0	\$0	\$1,368,993	\$54,269
Furman Foods, Inc. GAI Consultants, Inc. GAI Consultants, Inc. \$0 \$0 \$8,853 \$8 Galleon Pharmaceuticals, Inc. \$0 \$0 \$0 \$37,919 Gap Holding Company, Inc. \$0 \$0 \$0 \$15,629 GapVax, Inc. Gateway Ticketing Systems, Inc. \$0 \$0 \$0 \$17,854 General Dynamics C4 Systems, Inc. \$0 \$0 \$0 \$17,854 \$17 General Dynamics Satcom Technologies, Inc. \$0 \$0 \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$1,7649 \$17 Global Seating Systems, LLC \$0 \$0 \$0 \$33,599 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$1,8972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$138,740 \$18 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc.	Four Rivers Software Systems, Inc.	\$0	\$0	\$8,703	\$1,178
GAI Consultants, Inc. \$0 \$0 \$8,853 \$8 Galleon Pharmaceuticals, Inc. \$0 \$0 \$37,919 \$325 <td< td=""><td>-</td><td>\$0</td><td>\$0</td><td>\$17,645</td><td>\$0</td></td<>	-	\$0	\$0	\$17,645	\$0
GAI Consultants, Inc. \$0 \$0 \$8,853 \$8 Galleon Pharmaceuticals, Inc. \$0 \$0 \$37,919 \$32	Furman Foods, Inc.	\$0	\$0	·	\$0
Galleon Pharmaceuticals, Inc. \$0 \$37,919 Gap Holding Company, Inc. \$0 \$0 \$15,629 GapVax, Inc. \$0 \$0 \$4,782 Gateway Ticketing Systems, Inc. \$0 \$0 \$25,879 \$25 General Dynamics C4 Systems, Inc. \$0 \$0 \$17,854 \$17 General Dynamics Satcom Technologies, Inc. \$0 \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamil	·	\$0	\$0	\$8,853	\$8,853
Gap Holding Company, Inc. \$0 \$0 \$15,629 GapVax, Inc. \$0 \$0 \$4,782 Gateway Ticketing Systems, Inc. \$0 \$0 \$25,879 \$25 General Dynamics C4 Systems, Inc. \$0 \$0 \$17,854 \$17 General Dynamics Satcom Technologies, Inc. \$0 \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Giobal Seating Systems, LLC \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$193,051 \$193 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$36,301 \$34	·		\$0		\$0
GapVax, Inc. \$0 \$0 \$4,782 Gateway Ticketing Systems, Inc. \$0 \$0 \$25,879 \$25 General Dynamics C4 Systems, Inc. \$0 \$0 \$17,854 \$17 General Dynamics Satcom Technologies, Inc. \$0 \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Giobal Seating Systems, LLC \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$36,301 <t< td=""><td>·</td><td></td><td>\$0</td><td>·</td><td>\$327</td></t<>	·		\$0	·	\$327
General Dynamics C4 Systems, Inc. \$0 \$17,854 \$17 General Dynamics Satcom Technologies, Inc. \$0 \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$24,020 \$13 Harsco Corporation \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828		\$0	\$0	\$4,782	\$0
General Dynamics C4 Systems, Inc. \$0 \$17,854 \$17 General Dynamics Satcom Technologies, Inc. \$0 \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$24,020 \$13 Harsco Corporation \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828	•	\$0	\$0		\$25,879
General Dynamics Satcom Technologies, Inc. \$0 \$54,779 \$54 General Instrument Corporation \$0 \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$39,599 \$3 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828		\$0	\$0	\$17,854	\$17,854
General Instrument Corporation \$0 \$252,267 \$252 General Machine Products Co., Inc. \$0 \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$39,599 \$0 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$24,020 \$13 Harsco Corporation \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$3,828		\$0	\$0	•	\$54,779
General Machine Products Co., Inc. \$0 \$1,773 \$1 Gichner Systems Group, Inc. \$0 \$0 \$17,649 \$17 Global Seating Systems, LLC \$0 \$0 \$39,599 \$1 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$3,828	General Instrument Corporation	\$0	\$0	\$252,267	\$252,267
Global Seating Systems, LLC \$0 \$0 \$39,599 \$0 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$3,828	-	\$0	\$0	\$1,773	\$1,773
Global Seating Systems, LLC \$0 \$0 \$39,599 \$0 Google, Inc. \$0 \$0 \$1,426,583 \$1,426 Grant Street Group, Inc. \$0 \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$3,828	Gichner Systems Group, Inc.	\$0	\$0	\$17,649	\$17,649
Grant Street Group, Inc. \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828	Global Seating Systems, LLC	\$0	\$0	\$39,599	\$339
Grant Street Group, Inc. \$0 \$12,264 \$12 Graymont (PA), Inc. \$0 \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828	Google, Inc.	\$0	\$0	\$1,426,583	\$1,426,583
Graymont (PA), Inc. \$0 \$18,972 \$18 GSI Commerce Solutions, Inc. \$0 \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$3,828	Grant Street Group, Inc.				\$12,264
GSI Commerce Solutions, Inc. \$0 \$193,051 \$193 Hamill Manufacturing Company \$0 \$0 \$24,020 \$13 Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$3,828			\$0	·	\$18,972
Harsco Corporation \$0 \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828		\$0	\$0		\$193,051
Harsco Corporation \$0 \$36,301 \$34 Holtec Manufacturing Division, Inc. \$0 \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828	Hamill Manufacturing Company	\$0	\$0		\$13,738
Holtec Manufacturing Division, Inc. \$0 \$188,740 \$188 Honeywell International, Inc. \$0 \$0 \$29,979 \$29 Iberium Communications, Inc. \$0 \$0 \$3,828	Harsco Corporation	\$0	\$0		\$34,872
Iberium Communications, Inc. \$0 \$3,828	Holtec Manufacturing Division, Inc.	\$0	\$0	\$188,740	\$188,740
Iberium Communications, Inc. \$0 \$3,828	Honeywell International, Inc.	\$0	\$0	\$29,979	\$29,979
	Iberium Communications, Inc.	\$0	\$0		
	II-VI Incorporated	\$0	\$0	\$261,674	\$135,842
ImageCube, LLC \$0 \$598					\$0
	•				\$21,716
	• •				\$5,481
	-				\$1,522
					\$15,077
	·				\$7,360
InspiraFS, Inc. \$0 \$5,699				•	\$0
Integrated Fabrication & Machine, Inc. \$0 \$1,166					

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Intellectual Proprerty Enterprises, LLC (d/b/a				
Neuralware)	\$0	\$0	\$2,672	\$2,672
Interbots, LLC	\$0	\$0	\$8,704	\$8,704
Interstate Building Materials, Inc.	\$0	\$0	\$13,839	\$12,267
Interstate Management Resources, Inc.	\$0	\$0	\$58,815	\$0
Intertek Testing Serv. NA	\$0	\$0	\$4,551	\$4,551
Inventox, Inc.	\$0	\$0	\$10,988	\$0
invivodata, Inc.	\$0	\$0	\$2,370	\$2,370
IPEG, Inc.	\$0	\$0	\$10,825	\$253
Ismael J. Hidalgo	\$0	\$0	\$25,198	\$25,198
Jamestown Paint Company	\$0	\$0	\$13,571	\$13,571
Jarex Enterprises, LLC	\$0	\$0	\$961	\$961
JCR Sales Mfg, LLC	\$0	\$0	\$11,643	\$11,643
Jeannette Shade and Novelty Company (dba				
JSG Oceana)	\$0	\$0	\$27,543	\$17,139
Jenrin Discovery, LLC	\$0	\$0	\$43,188	\$43,188
Johnstown Machining and Fabrication, Inc.	\$0	\$0	\$2,327	\$2,327
Joy Technologies, Inc.	\$0	\$0	\$406,431	\$0
Just Between Friends, Inc.	\$0	\$0	\$29,014	\$29,014
JWF Defense Systems, LLC	\$0	\$0	\$9,548	\$9,548
Kenexa Technology, Inc.	\$0	\$0	\$60,814	\$60,814
Keystone Food Products, Inc.	\$0	\$0	\$17,642	\$17,642
Graham Packing Holdings Company, LLP	\$0	\$0	\$10,457	\$5,726
KPGW Holding Company, LLC	\$0	\$0	\$530,486	\$0
KYDEX, LLC	\$0	\$0	\$28,250	\$0
Langan Engineering and Environmental				
Services, Inc.	\$0	\$0	\$22,180	\$0
Lazarus Therapeutics, Inc.	\$0	\$0	\$93,365	\$0
LD Astorino & Associates, Ltd.	\$0	\$0	\$108,129	\$108,129
Lloyd Industries, Inc.	\$0	\$0	\$11,790	\$11,790
Lone Oak Medical Technologies, LLC	\$0	\$0	\$4,875	\$4,875
Loridian, LLC	\$0	\$0	\$19,691	\$17,354
LPS Mortgage Processing Solutions, Inc.	\$0	\$0	\$18,400	\$18,400
LSI Corporation	\$0	\$0	\$3,523,960	\$189,781
Lucas Systems, Inc.	\$0	\$0	\$13,016	\$12,390
Magnetic Windings Co., Inc.	\$0	\$0	\$64,349	\$64,349
Maguire Products, Inc.	\$0	\$0	\$27,371	\$4,495
Mainstream Swimsuits, Inc.	\$0	\$0	\$30,238	\$1,661
Markel Corporation	\$0	\$0	\$19,915	\$19,915
Mars Fishcare NA, Inc.	\$0	\$0	\$38,081	\$23,798
Mars Incorporated	\$0	\$0	\$21,431	\$21,431
Matreya, LLC	\$0	\$0	\$1,498	\$0
Matson & Associates, Inc.	\$0	\$0	\$8,630	\$8,630
MCI Communications Services, Inc.	\$0	\$0	\$25,157	\$14,704
Medecision, Inc.	\$0	\$0	\$224,510	\$7,736
Melior Pharmaceuticals I, Inc.	\$0	\$0	\$949	\$0
Merck, Sharp & Dohme Corp.	\$0	\$0	\$10,263,039	\$5,342,230
Minnotte Manufacturing Corporation	\$0	\$0	\$1,131	\$1,109
N.A. Water Systems, LLC	\$0	\$0	\$1,282,907	\$136,411
NE Foods, Inc.	\$0	\$0	\$6,424	\$6,424
Net Health Systems, Inc.	\$0	\$0	\$125,687	\$125,687

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
NeuroDx Development, LLC	\$0	\$0	\$4,561	\$4,561
Neutronics, Inc.	\$0	\$0	\$5,263	\$0
New Berry, Inc. Berry Metal Company	\$0	\$0	\$24,724	\$359
NextGen Healthcare Information Systems, Inc.	\$0	\$0	\$387,517	\$163,906
Nitric Biotherapeutics, Inc.	\$0	\$0	\$13,488	\$13,488
North American Drillers, LLC (f/k/a Shaft		4.0		V.0,.00
Drillers International, LLP)	\$0	\$0	\$46,370	\$0
Novocell Semiconductor, Inc.	\$0	\$0	\$4,789	\$0
NTVI Fed, LLC	\$0	\$0	\$45,512	\$2,477
Numoda Technologies, Inc.	\$0	\$0	\$47,417	\$0
NuPathe, Inc.	\$0	\$0	\$12,593	\$0
Nutrisystem, Inc.	\$0	\$0	\$35,726	\$0
Ohm-Labs, Inc.	\$0	\$0	\$9,091	\$9,091
Okna Windows Corp.	\$0	\$0	\$6,918	\$6,918
Olympic Steel, Inc.	\$0	\$0	\$10,260	\$10,260
Omega Plastics, LLC	\$0	\$0	\$17,502	\$17,502
O'Neal Steel, Inc.	\$0	\$0	\$4,700	\$4,700
Orasure Technologies, Inc.	\$0	\$0	\$1,683	\$1,603
ParaCoat Technologies, Inc.	\$0	\$0	\$3,037	\$0
Patrick M. Dentinger	\$0	\$0	\$25,199	\$25,199
Patriot Sensors and Controls Corporation	\$0	\$0	\$23,199 \$12,495	\$12,495
PB Heat, LLC	\$0 \$0	\$0 \$0	\$2,942	\$2,942
<u> </u>	\$0 \$0	\$0 \$0	\$2,942 \$1,549	\$2,942 \$1,549
Penn Color, Inc. Penn-Century, Inc.	\$0 \$0	\$0 \$0	\$3,843	\$1,549
Pennsylvania-American Water Company	\$0 \$0	\$0 \$0	\$3,643 \$9,677	\$9,677
Pikimal, LLC (d/b/a WebKite)	\$0 \$0	\$0	\$106,963	\$106,963
Pitney Bowes Software, Inc.	\$0 \$0	\$0 \$0	\$100,903	\$100,903
Plextronics, Inc.	\$0 \$0	\$0 \$0	\$28,897	\$363 \$12,476
Plus Consulting, LLC	\$0 \$0	\$0 \$0	\$20,097	\$12,476
PMC-Sierra US, Inc.	\$0 \$0	\$0 \$0		•
Polymedix Pharmaceuticals, Inc.	\$0 \$0	\$0 \$0	\$308,587 \$148,579	\$33,797 \$0
PoolPak Technologies Corporation	\$0 \$0	\$0 \$0		\$2,253
	\$0	\$0	\$2,253	\$2,255
Power & Industrial Srv Corp. Donora	¢o.	¢o	¢45.043	¢4E 042
Industrial Park	\$0 \$0	\$0 \$0	\$45,913	\$45,913
Powerex, Inc.		\$0	\$3,548	\$3,548
Precision Defense Services, Inc.	\$0	\$0 \$0	\$1,419	\$0
Precision Therapeutics, Inc.	\$0	-	\$66,344	\$66,344
Primus Technologies Corp.	\$0	\$0	\$10,210	\$0
PRL Industries, Inc.	\$0	\$0	\$2,263	\$32 \$3.755
PRL, Inc.	\$0	\$0	\$5,405	\$2,755
Problem Solutions, LLC	\$0	\$0	\$23,312	\$23,312
Process Combustion Corporation	\$0	\$0	\$417,830	\$414,720
Production System Technologies, Inc.	\$0	\$0	\$30,049	\$22,156
Progeny Systems Corporation	\$0	\$0	\$8,370	\$0
Prova Systems and Technologies, Inc.	\$0	\$0	\$4,473	\$4,473
PSB Industries, Inc.	\$0	\$0	\$75	\$75
PSI Medical Catheter Care, LLC	\$0	\$0	\$28,682	\$28,682
Puritan Products, Inc.	\$0	\$0	\$215,860	\$126,614
QBC Diagnostics, Inc.	\$0	\$0	\$28,258	\$25,900
QR Pharma, Inc.	\$0	\$0	\$22,414	\$22,414
Quantum Potential Corporation	\$0	\$0	\$3,695	\$3,695

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Quantum Software Solutions, Inc.	\$0	\$0	\$337	\$337
Raytheon Company	\$0	\$0	\$67,472	\$67,472
RE2, Inc.	\$0	\$0	\$23,143	\$0
Red Valve Company, Inc.	\$0	\$0	\$3,934	\$3,934
Renal Solutions, Inc.	\$0	\$0	\$32,950	\$0
Rhiza Labs, LLC	\$0	\$0	\$3,301	\$735
RJM Manufacturing, Inc.	\$0	\$0	\$3,970	\$3,970
Roaring Spring Blank Book Company	\$0	\$0	\$8,441	\$1,701
S&S Processing, Inc.	\$0	\$0	\$47,403	\$20,865
S. Vitale Pyrotechnic Industries, Inc.	\$0	\$0	\$18,123	\$16,990
Schell Games, LLC	\$0	\$0	\$41,850	\$41,850
Schmidt Technology Corporation	\$0	\$0	\$5,577	\$1,063
Schott North America, Inc.	\$0	\$0	\$64,980	\$1,258
Schust Development Corp. (f/k/a Schust				
Development, Inc.)	\$0	\$0	\$2,608	\$900
Seneb Biosciences, Inc.	\$0	\$0	\$6,626	\$0
Sensible Machines, Inc.	\$0	\$0	\$1,295	\$873
Sentric, Inc.	\$0	\$0	\$15,159	\$15,159
Sentry Data Systems, Inc.	\$0	\$0	\$4,681	\$69
ServiceLink, Inc. (f/k/a ServiceLink Valuation		`	. ,	
Solutions, LLC)	\$0	\$0	\$47,728	\$47,728
SFS Intec Incorporated	\$0	\$0	\$10,400	\$237
Siemens Molecular Imaging, Inc.	\$0	\$0	\$33,215	\$0
Signal Technologies, Inc.	\$0	\$0	\$20,309	\$20,309
Silberline Manufacturing Co., Inc.	\$0	\$0	\$350	\$350
Skid Pipe Insulation, LLC	\$0	\$0	\$5,025	\$0
Sonitu, LLC (f/k/a Sonitu Pharmaceuticals, LLC)	\$0	\$0	\$11,570	\$0
SparkNET Technologies, LLC	\$0	\$0	\$7,092	\$6,488
Speciality Tires of America, Inc.	\$0	\$0	\$34,674	\$17,027
Spectragenetics, LLC	\$0	\$0	\$16,405	\$0
SpectrumCo, LLC	\$0	\$0	\$2,577	\$2,577
SPX Corporation	\$0	\$0	\$49,786	\$28,119
State of the Art, Inc.	\$0	\$0	\$518	\$518
STMicroelectronics, Inc.	\$0	\$0	\$3,260	\$1,229
Stoner, Inc.	\$0	\$0	\$50,686	\$44,949
Strobic Air Corporation	\$0	\$0	\$6,300	\$6,300
Sun Star, Inc.	\$0	\$0	\$5,651	\$463
Sungard Public Sector, Inc.	\$0	\$0	\$24,453	\$24,453
Sunny Dell Foods, Inc.	\$0	\$0	\$5,007	\$5,007
Supelco, Inc.	\$0	\$0	\$25,992	\$0
Susquehanna International Group, LLP	\$0	\$0	\$557,464	\$557,464
Sweet Ovations, LLC	\$0	\$0	\$2,862	\$2,862
Sylvin Technologies, Inc.	\$0	\$0	\$3,248	\$1,943
Synergis Technologies, Inc.	\$0	\$0	\$15,597	\$6,635
Synergy Advanced Pharmaceuticals, Inc.	\$0	\$0	\$91,651	\$91,651
Synopsys, Inc.	\$0	\$0	\$26,768	\$7,496
Tait Farm Foods, Inc.	\$0	\$0	\$47	\$0
Tait Towers, Inc.	\$0	\$0	\$114,348	\$114,348
Taktl, LLC	\$0	\$0	\$106,302	\$0
Tarsa Therapeutics, Inc.	\$0	\$0	\$209,065	\$209,065
TCI Ceramics, Inc.	\$0	\$0	\$47,148	\$31,164

	2014 Credit	2014 Credit	2013 & 2012	2013 & 2012
Taxpayer Name	Awarded	Utilized 1	Credit Awarded	Credit Utilized 1
Terra Group Corporation	\$0	\$0	\$12,649	\$10,659
Teva Pharmaceuticals USA, Inc.	\$0	\$0	\$129,362	\$129,362
The Beistle Company	\$0	\$0	\$4,126	\$4,126
The Boeing Company	\$0	\$0	\$1,987,913	\$1,987,913
The Vanguard Group. Inc.	\$0	\$0	\$819,690	\$819,690
The Warrell Corporation	\$0	\$0	\$7,170	\$0
Thermo Fisher Scientific, Inc.	\$0	\$0	\$87,307	\$0
ThreeRivers 3D, Inc.	\$0	\$0	\$11,880	\$11,880
Tiger Optics, Inc.	\$0	\$0	\$99,563	\$0
Titan International, Inc.	\$0	\$0	\$11,267	\$6,734
Touchtown, Inc.	\$0	\$0	\$56,555	\$56,555
TOXCO, Inc.	\$0	\$0	\$30,597	\$13,843
Trimetric Enterprises, Inc.	\$0	\$0	\$292	\$292
Trinity Industries, Inc.	\$0	\$0	\$40,957	\$0
Turgeon Engineering, Inc.	\$0	\$0	\$4,992	\$4,992
Two Technologies, Inc.	\$0	\$0	\$49,567	\$49,567
Unicast Company	\$0	\$0	\$17,534	\$8,774
United Metal Fabricators, Inc.	\$0	\$0	\$13,586	\$3,679
Universal Refractories, Inc.	\$0	\$0	\$2,721	\$0
Urban Engineers, Inc.	\$0	\$0	\$48,040	\$7,340
US Silica Company	\$0	\$0	\$19,728	\$19,728
USSC Group, Inc.	\$0	\$0	\$14,425	\$12
Valley Instrument Co., Inc.	\$0	\$0	\$3,068	\$0
Valtech Corporation	\$0	\$0	\$19,513	\$19,513
Ventana USA	\$0	\$0	\$41,216	\$41,216
Venture 3 Systems, LLC	\$0	\$0	\$126,433	\$126,433
Verizon Services Organization, Inc.	\$0	\$0	\$5,851	\$2,057
Vesuvius USA Corp.	\$0	\$0	\$62,731	\$24,634
VideoRay, LLC	\$0	\$0	\$154,152	\$59,632
Viridity Energy, Inc.	\$0	\$0	\$1,289	\$1,289
VMware, Inc.	\$0	\$0	\$59,715	\$59,715
Voci Technologies Incorporated	\$0	\$0	\$36,872	\$17,619
Walsh Construction Company	\$0			\$19,376
Wampole Miller, Inc.	\$0		\$30,910	\$18,712
West Pharmaceutical Services, Inc. (PA)	\$0		\$177,811	\$0
White Oak Mills, Inc.	\$0	\$0	\$8,132	\$5,743
Woodward McCoach, Inc.	\$0	\$0	\$90,323	\$45,969
Z Band Video, Inc.	\$0		\$3,995	\$3,995
Z-Band, Inc.	\$0	\$0	\$71,198	\$71,198
Zivtech, LLC	\$0		\$23,867	\$23,867
TOTAL	\$55,000,000	\$0	\$110,000,000	\$54,744,435

Footnote:

¹ "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.