2014

Dig Safely New York

Kevin Hopper, Executive Director

2014 STATE DAMAGE PREVENTION PROGRAM GRANTS FINAL REPORT

Final Grant Report of Dig Safely New York 2014 State Damage Prevention Grant, Award Number: DTPH56-14-G-PPS18

2014 State Damage Prevention Grant Final Grant Report

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Attachment 1 – Final Financial Status Report (SF-425)

Attachment 2 – Financial Enclosures

2014 State Damage Prevention Program Grants Final Report
CFDA Number: 20.720

Award Number: DTPH56-14-G-PPS18
Project Title: Dig Safely New York State Damage Prevention Grant
Date Submitted: February 23, 2016
Submitted by: Kevin Hopper

Specific Objective(s) of the Agreement

Under this grant agreement, the DSNY will:

- Support Public Awareness and Stakeholder Education
- Foster and promote the use of improving technologies

Workscope

Under the terms of this grant agreement, the Grantee will address the following elements listed in 49 U.S.C. §60134 (b) through the actions it has specified in its Application.

- **Element 5 (Public Education):** A process for fostering and ensuring active participation by all stakeholders in public education for damage prevention activities.
- **Element 8 (Technology):** A process for fostering and promoting the use, by all appropriate stakeholders, of improving technologies that may enhance communications, underground pipeline locating capability, and gathering and analyzing information about the accuracy and effectiveness of locating programs.

Accomplishments for the grant period (Item 1 under Agreement Article IX, Section 9.02 Final Report: "A comparison of actual accomplishments to the objectives established for the period.")

[How did you progress on each of the items/elements provided in the "Specific Objectives" and "Workscope"? How did your progress compare with established objectives? Start with an overall description followed by item-by-item or element-by-element detail if possible.]

Project 1 Description

Introduction of Tableau Software:

Over the past seven years, Dig Safely New York, Inc. has implemented several programs to further our mission to prevent damages to underground facilities in NY State. Many of these programs have been supported with software solutions that allow us to collect and measure the effectiveness of our programs. The analysis of this data can difficult, and very time consuming, as the data is stored and reported in several disparate data silos. Additionally, some data, such as Dirt damage data, can be up to a year old before it is reported making it difficult to get any real-time sense of what is happening from a damage prevention perspective within the State. As a result of this, several facility operators have asked if Dig Safely New York

could provide damage data and call-volume ratios real time. This request prompted Dig Safely New York to investigate how we can better facilitate analysis of these important multiple data sources in one tool that serves to further damage prevention efforts by all stakeholders. The results of the investigation led to propose the implementation of Tableau Software as part of our 2014 grant submission. Tableau software will allow Dig Safely New York to combine our multiple data sources, (Call volume and ticket data, damage data (provided real-time from Gas Operators) educational efforts (Irth Solutions i-aware software) along with other pertinent data sources and report on them in a very meaningful way. Tableau will allow Dig Safely New York and its participating stakeholders to quickly visualize data. As an example, the educational efforts in a county vs. damages vs. call volume can easily be brought into one business intelligence solution, giving us the ability to identify both positive and negative trends related to damages and educational efforts in NY. Tableau allows implementing of business dashboards as an indispensable tool that informs with a glance.

Tableau dashboard tools provide:

- *Interactivity: Filtering, highlighting, and other dashboard solutions*
- *The ability to combine multiple data sources*
- *Fast creation by a business user*
- *Easy sharing with support for existing security*
- *Visual analysis best practices*

Tableau allows non-technical users to create interactive, real-time dashboards in minutes. Adding filters and drilling down is as simple as a few clicks. Sharing those dashboards on Tableau Server and embedding them into corporate portals or any web page is point-and-click. And visual best practices are baked in, so you can build a great dashboard and communicate effectively across multiple platforms.

The goal of this project is to implement Tableau Server allowing Dig Safely New York and its members to combine multiple data sources into one simple easy to communicate solution. The software will then be integrated in or corporate web portal (Drupal Web Integration) for permission based dashboards. The intent of these dashboards will allow members to interact with their data securely and see how they are performing real-time. The Dashboards will provide several insights including but not limited to, damage data per 1000 location requests on a month to date and year to date basis, positive response metrics and educational activities. These dashboards update automatically. Members will also be able to filter educational activities, media campaigns and see correlations between education and outreach on damages within different regions. Tableau will allow us to have this valuable information at our fingertips, furthering our ability to provide concise, informed and effective damage prevention programs.

Please review the following resources for a review of Tableau:
http://www.tableausoftware.com/products/server
http://www.tableausoftware.com/solutions/data-visualization#video

Following the grant award, the Tableau Software and Server was purchased and installed at Dig Safely New York, Inc.'s headquarters in East Syracuse, NY. After the install, the Technical Team underwent one week of training from a Tableau representative. All of Dig Safely New York's data sources were linked to the software and tested. Dashboards were run and tested to ensure accuracy, and interaction capabilities are working properly. Testing continued as we pulled in

member utility data to ensure functionality is on-point after implementation and roll-out. Dig Safely New York will also began working with its third-party web developer Face First Creative on implementing a Drupal-web based portal for the Tableau Software. Member utilities, as well as departments within the Dig Safely New York organization, have begun using Tableau to analyze disparate data sources, including, but not limited to, field activities versus ticket volume, attendance and outreach at events, damage data, etc.

Project 2 Description

Development of Underground Utility Training Site

New York State damage data suggests that the number one cause of underground utility damage is no longer failing to call before digging, as no call damages continue to be reduced annually. The largest cause of underground facility damage is now unsafe digging practices by the excavator. As a result of this trend, Dig Safely New York proposed under the scope of project two of this grant submission to develop and install a mock utility training site where safe digging practices can be demonstrated in a controlled environment. Dig Safely New York dedicated a portion of its four-acre lot to install the underground training site to be utilized for training and product demonstrations such as directional drilling, ground penetration radar, soil pick's etc.

The site will be complete with:

- *10'x12' shed to simulate residence*
- *200ft Joint trench (electric, communication, and gas)*
- *100ft Install of water and sewer build to depth and standards*
- *20ft service trench to shed with (electric secondary to meter box, telephone fiber drop to riser at shed, CATV with riser and demarc box and 2 inch gas service buried @18inches, including riser and meter bracket)*
- *Observation Pit (this will allow visualization of underground install through Plexiglas window)*

The goal of this project is to further our ability of offer safe digging best practices through comprehensive training and demonstrations. This site will serve as a resource to the various stakeholders in New York, further enhancing their ability to perform safe excavations. Excavators, locators and facility operators will be able to utilize this site to safely and effectively learn best practices. Dig Safely New York, anticipates holding several training demonstrations at this site annually. Elements of this project affect the following elements 1, 4, 5, 8 and 9.

Following the grant award, Dig Safely New York had developed a design for the Underground Utility Training Site. This design was completed in early March, but because of the unpredictable New York weather, Dig Safely New York was unable to begin any construction/installation. The project then got held up with the Town of Dewitt Planning

Board, as receiving permits to complete the build- out was a timely process. Permits were finally granted after three meetings with the Town Planning Board. Site Construction, although delayed, was completed on December 28, 2015, before the new year.

Quantifiable Metrics/Measures of Effectiveness (Item 2 under Article IX, Section 9.02 Final Report: "Where the output of the project can be quantified, a computation of the cost per unit of output.")

[This may be difficult to explain for every grant project, but we're trying to get a sense of how effective this grant work has been in improving your damage prevention program. If your grant is more data oriented, you likely had some sort of metrics in mind to improve upon. If so, what were those metrics and how does the data look now compared to when the program started? If you're doing something along the lines of enforcement that involves incident review, how many cases have you been able to review/close and/or fines collected compared to before the grant work? If you are working on something more along the lines of public awareness, how many stakeholders have you been able to reach? Even if you don't have the metrics fully defined, put whatever you can here.]

- *For both projects under this grant, it is difficult to provide quantifiable metrics however, upon utilization for a period of six months to a year, both projects we will be able to report on the following:*

  ***Tableau Software**:*

  We will be able to provide metrics on the number of member utilities utilizing the Tableau dashboards, as well as analyze the data sources we have in a timely and efficient manner to provide more proactive education and promotional outreach initiatives.

  ***Underground Utility Training Site**:*

  We will be able to report on methods of training and education utilizing the new on-site underground training center, as well as the number of people and organizations utilizing the training center. Photos will be made available.

Issues, Problems or Challenges (Item 3 under Article IX, Section 9.02 Final Report: "The reasons for slippage if established objectives were not met.")

[If the project has successfully concluded on schedule, simply state that there are no issues, problems or challenge to report. If there have been delays for any reason, explain what they are and how they have impacted the grant work. For instance, with some States, even after an agreement is in place, it has to be sent back to the Governor's office for approval, which takes more time than originally anticipated. Even if work began immediately after the agreement was in place, other delays could have been caused by personnel changes or issues that arose as the project progressed.]

For Project 1, Tableau Software, there were no issues, problems or challenges to report. Screen Shots and Reports can be found in Appendix 2 of this report.

For Project 2, Underground Utility Training Site, however, there were several delays holding up the progression and causing the site to not be completed by the September 2015 timeframe. The first delay was in the Dig Safely New York's Board of Director's approval for design of underground training site. Once the design was finally approved, the second delay was in the Town of Dewitt Planning Board. It took several meetings with the Town Planning Board to retain the necessary permits to start the underground training facility due to the fact that the Planning Board only meets on certain occasions per month. PHSMA was contacted immediately when Dig Safely New York realized the project wouldn't be completed by the September deadline. The project itself, however, took two weeks to implement once permits were obtained and was completed by December 28, 2015. Pictures of the completed site are attached in Appendix 1 of this report.

Final Financial Status Report

[Per the instructions in Article IX, Section 9.04 of your agreement (included below), the financial status report should be submitted with this final report to the Agreement Administrator (AA) and the Agreement Officer's Representative (AOR). Please see instructions below and include supporting documentation such as invoices, receipts, spreadsheets, etc. However, if there are any issues with the Financial Status Report or additional explanation is needed, please provide that information here. If there are any delays for whatever reasons, these should be communicated to the AA and AOR in advance.

From Article IX, Section 9.04 of your agreement: "At the end of the grant period, the Recipient must submit a Final Federal Financial Report, Standard Form 425 (SF-425), to report the status of all funds. In addition to the SF-425, the Recipient should provide the breakdown of costs for each object class category (Personnel, Fringe Benefits, Travel, Equipment, Supplies, Contractual, Other, and Indirect Charges). The Final Financial Status Report must be submitted to the AOR and the AA via e-mail, no later than 90 days after the grant period end date (see Section 1.03). If possible this report should be submitted, along with the Final Report, within 30 days after the grant period end date."]

The Final Financial Status Report can be found in Attachment 1 of this report.

The enclosures for the Final Financial Status Report can be found in Attachment 2 of this report.

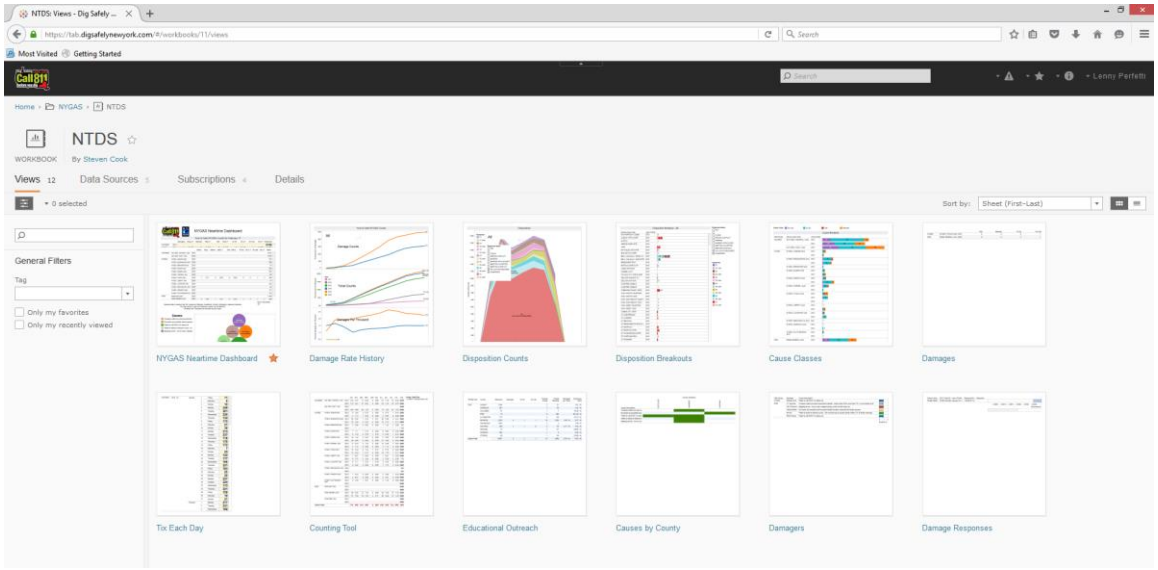
Requests of the AOR and/or PHMSA

[In most cases, any questions or actions requested of the AOR and PHMSA (such as grant modifications) should have been addressed in advance of filing the report. If this is the case, simply state "No actions requested at this time" or explain any actions that are currently in process. However, if something has come up recently, or if you haven't been able to discuss with the AOR yet, please describe here.]

Reimbursement will be requested utilizing the Department of Transportation Delphi System. Thanks for accommodating our need for an extension.

APPENDIX 1
Site Photos

APPENDIX 2
Tableau Reports



(Pictured Above) Member Report Portal

Educational Outreach

TEFilterYear	County	Stakeouts	Damages	Ex Err	No Call	Training Events	People Reached	Damages per Ticket	Events per Ticket
2015	ALLEGANY	17				3	282		176.47 / 1k
	BROOME	9,410	24	18	2	10	406	2.55 / 1k	1.06 / 1k
	CATTARAUGUS	1,748	1	1	0	10	252	0.57 / 1k	5.75 / 1k
	CAYUGA	3,913	4	3	0	2	36	1.02 / 1k	0.51 / 1k
	CHEMUNG	5,418	7	1	1	5	275	1.29 / 1k	0.92 / 1k
	CHENANGO	1,061				1	37		0.94 / 1k
	CLINTON	2,499	1	1	0	1	3	0.40 / 1k	0.40 / 1k
	COLUMBIA	11				13	255		1,181.82 / 1k
	CORTLAND	1,525	4	4	0	1	70	2.62 / 1k	0.66 / 1k
	DELAWARE	439				1	19		2.28 / 1k
	DUTCHESS	6				14	774		2,333.33 / 1k
	ERIE	276				33	1,831		119.57 / 1k
	ESSEX	22				4	95		181.82 / 1k
	HERKIMER	15				3	109		200.00 / 1k
	LIVINGSTON	935	1	1	0	3	324	1.07 / 1k	3.21 / 1k
	MADISON	186				5	266		26.88 / 1k
	MONROE	27				23	989		851.85 / 1k
	MONTGOMERY	4				3	42		750.00 / 1k
	NIAGARA	4,029	10	7	2	3	41	2.48 / 1k	0.74 / 1k
	ONEIDA	197				7	565		35.53 / 1k
	ONONDAGA	883				35	1,092		39.64 / 1k
	ONTARIO	4,462	19	12	2	4	138	4.26 / 1k	0.90 / 1k
	ORANGE	970	8	2	2	28	994	8.25 / 1k	28.87 / 1k
	ORLEANS	1,263	1	0	1	1	1	0.79 / 1k	0.79 / 1k
	OTSEGO	1,280	1	1	0	7	224	0.78 / 1k	5.47 / 1k
	PUTNAM	665				2	79		3.01 / 1k
	RENSSELAER	1				3	283		3,000.00 / 1k
	SARATOGA	364				12	741		32.97 / 1k
	SCHOHARIE	380	1	1	0	4	110	2.63 / 1k	10.53 / 1k
	SCHUYLER	660				3	644		4.55 / 1k
	SENECA	1,364	2	2	0	1	75	1.47 / 1k	0.73 / 1k
	STEUBEN	1,342	2	2	0	5	126	1.49 / 1k	3.73 / 1k
	SULLIVAN	1				3	48		3,000.00 / 1k
	TOMPKINS	5,184	11	8	2	1	45	2.12 / 1k	0.19 / 1k
	ULSTER	5				20	608		4,000.00 / 1k
	WASHINGTON	1				2	36		2,000.00 / 1k
	WAYNE	2,061	10	9	0	1	14	4.85 / 1k	0.49 / 1k
	WESTCHESTER	3				12	301		4,000.00 / 1k
	WYOMING	59				2	87		33.90 / 1k
Grand Total		52,670	107	73	12	291	12,317	2.03 / 1k	5.52 / 1k

(Pictured Above) Educational Outreach Report Within the Member Report Portal

NYGAS Neartime Dashboard

Year to Date NYGAS Counts for January 1.

		Damages	Dmg p T	Mismark	MM p T	Self	Self p T	Ex Err	Err p T	No Call	No p T	Stakeouts
NYSEG	2015	**109**	**1.97**	**21**	**0.38**	**1**	**0.02**	**75**	**1.35**	**12**	**0.22**	**55468**

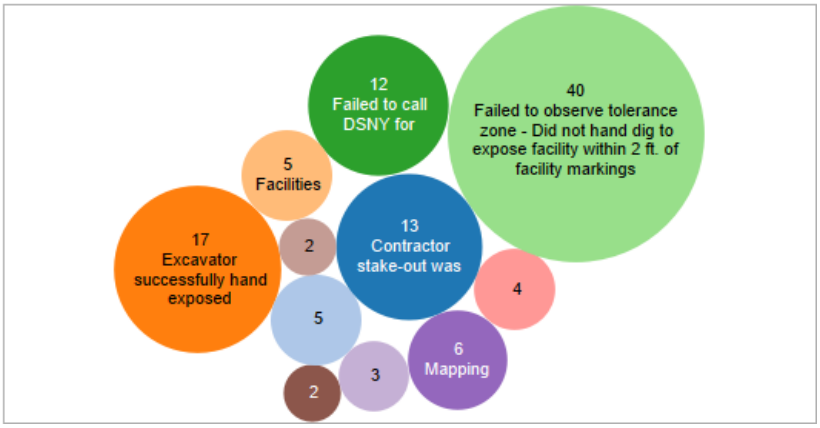
			Dama..	Dmg p..	Misma..	MM p T	Self	Self p T	Ex Err	Err p T	No Call	No p T	Stake..
NYSEG	NYSEG / AUBURN GAS	2015	4	0.87	1	0.22	0	0.00	3	1	0	0	4,612
	NYSEG / BINGHAMTON GAS	2015	24	2.37	4	0.39	0	0.00	18	2	2	0	10,145
	NYSEG / BREWSTER GAS	2015											674
	NYSEG / ELMIRA GAS	2015	9	1.37	4	0.61	1	0.15	3	0	1	0	6,582
	NYSEG / GENEVA GAS	2015	31	3.44	6	0.67	0	0.00	23	3	2	0	9,000
	NYSEG / HORNELL GAS	2015	3	0.86	0	0.00	0	0.00	3	1	0	0	3,487
	NYSEG / ITHACA GAS	2015	15	2.06	1	0.14	0	0.00	12	2	2	0	7,298
	NYSEG / LIBERTY GAS	2015	8	8.20	4	4.10	0	0.00	2	2	2	2	976
	NYSEG / LOCKPORT GAS	2015	11	1.97	1	0.18	0	0.00	7	1	3	1	5,582
	NYSEG / MECHANICVIL GAS	2015											377
	NYSEG / ONEONTA GAS	2015	3	0.71	0	0.00	0	0.00	3	1	0	0	4,214
	NYSEG / PLATTSBURGH GA..	2015	1	0.40	0	0.00	0	0.00	1	0	0	0	2,521

Stakeout tally consists of all "00" versions of Regular, Insufficent, Priority, Emergency stakeout requests.
The tally period is year-to-(yesterday) unless you've filtered it.
Numbers per Thousand are rounded up and down.

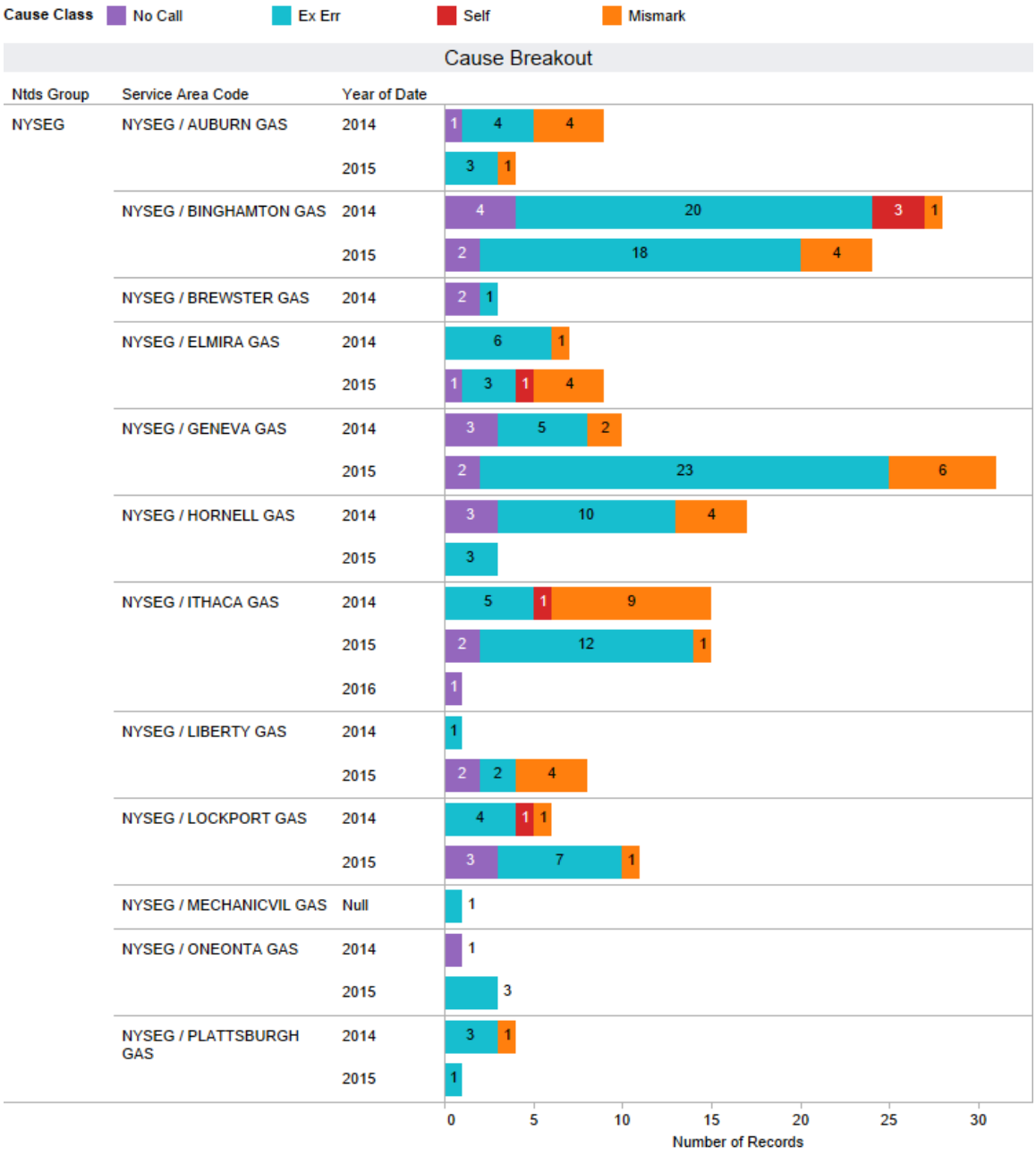
Target Year 2015 **Show This Month** All

Causes

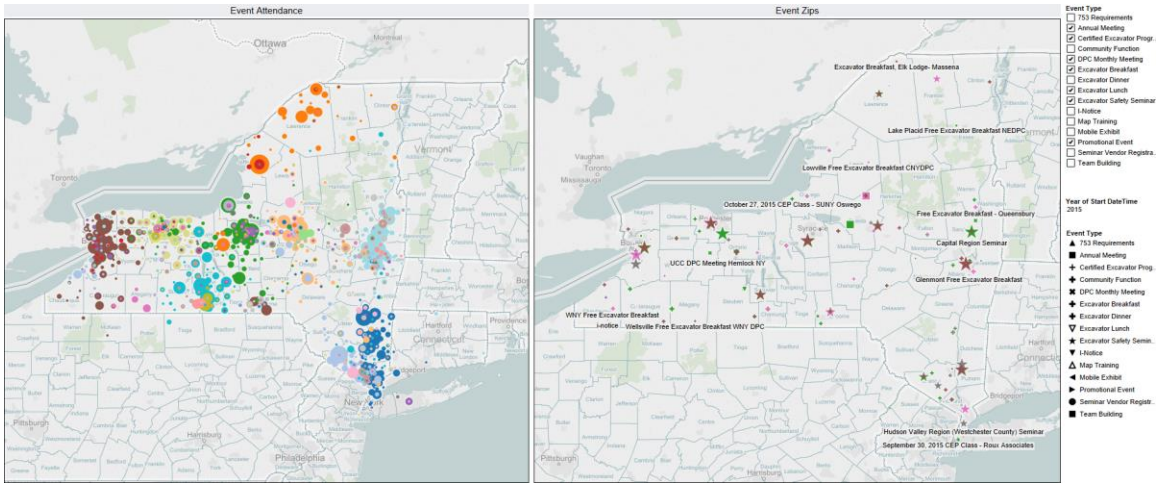
- Company stake-out was incorrect/inc..
- Contractor stake-out was incorrect/in..
- Excavator failed to maintain / preserv..
- Excavator successfully hand exposed..
- Facilities were marked properly accor..
- Failed to call DSNY for stake-out.
- Failed to observe tolerance zone - Di..
- Insufficient Notice - Excavator did not..
- Mapping errors: not on map; mapped..
- Negligence / deliberate - excavator ei..
- Nonpreventable - act of god; facility ..



(Pictured Above) A NYGAS Neartime Gas Report Within the Member Report Portal



(Pictured Above) A Cause Breakout/Breakdown Report Within the Member Report Portal



(Pictured Above) Outreach Report based on Event Attendance and Event Type

Field Rep Activity

Start DateTime: 2015

Last Name	Sta..	Category Na..	Event Type	Q1 Jan..	Q1 Fe..	Q1 Ma..	Q1 Tot..	Q2 April	Q2 May	Q2 June	Q2 Tot..	Q3 July	Q3 Au..	Q3 Se..	Q3 Tot..	Q4 Oct..	Q4 No..	Q4 De..	Q4 Tot..	Tot..
Flint		Promotion	Community Function										1		1					1
			Total										1		1					1
	NY	DPC	DPC Monthly Meeting	2	2	2	6	2	2	2	6	2	3	2	7	2	2	1	5	24
			Excavator Breakfast					1	3	1	5					1			1	6
			Promotional Event			1	1						2	1	3					4
			Team Building										1		1					1
			Total	2	2	3	7	3	5	3	11	2	6	3	11	3	2	1	6	35
		Excavator Training	Certified Excavator Program..													1			1	1
			DSNY Presentation	1	6	6	13	4	11		15	2	1	3	6	6	4	2	12	46
			Excavator Safety Seminar			2	2													2
			Gas Pipeline Awareness Me..					1	3		4									4
			I-Notice					1			1									1
			Total	1	6	8	15	6	14		20	2	1	3	6	7	4	2	13	54
		Member Training	753 Requirements	3		1	4					3	1		4	2	1		3	11
			Total	3		1	4					3	1		4	2	1		3	11
		Promotion	Banner Placement					1		7	8		1		1					9
			Community Function	1	1		2	1	1	2	4	2	1	2	5	4			4	15
			Community Outreach										2	2	4					4
			Courtesy Stop	2		1	3	3	3	2	8					2		17	19	30
			Mobile Exhibit						1	2	3		1	1	2					5
			Stakeholder Meeting					1			1	1			1		2		2	4

Start DateTime: 1/1/2015 12:00:0..

Last Name: Null, Bishop, Fiorella, Flaherty, Flint, Hopper, Milks, Ross, Roth, Schettine, Shave, Wright, Yehl

Excavator Training by FR

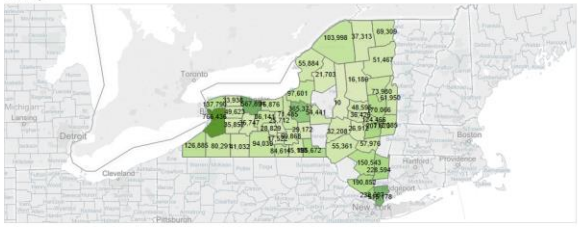
Month of Star..	Last Name	Event Type	Numbe..	People..
September	Flint	DSNY Presentation		
		Total	3	133
October	Flint	Certified Excavator Program ..	1	
		DSNY Presentation	6	346
		Excavator Breakfast	1	40
		Total	8	386
November	Flint	DSNY Presentation	4	54
		Total	4	54
December	Flint	DSNY Presentation	2	18
		Total	2	18
Grand Total			59	2,684

Excavator Training by Type

Event Type	Number of Events	People Reached
Certified Excavator Program ..	1	
DSNY Presentation	46	1,352
Excavator Breakfast	6	234
Excavator Safety Seminar	2	831
Gas Pipeline Awareness Meet..	4	267
Grand Total	59	2,684

(Pictured Above) A Field Activity Report Based on One Field Representative for One Calendar Year of Outreach and Training

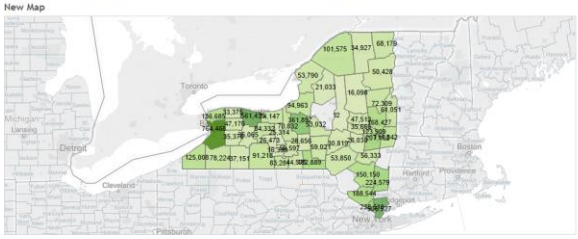
Live Map



Live Count

County	City Parcels	Reservation Parcels	Township Parcels	Village Parcels
Grand Total	564,579	441	1,773,775	382,084
ALBANY	35,696		57,004	7,747
ALLEGANY		1	15,998	4,593
BROOME	16,535		58,716	13,379
CATTARAUGUS	8,933	195	24,266	5,812
CAYUGA	9,189		21,991	3,731
CHAUTAUQUA	16,355	12	31,526	11,644
CHEMUNG	10,173		21,892	5,386
CLINTON	4,934		23,968	2,217
CORTLAND	4,385		7,977	1,884
DELAWARE			20,556	5,908
DUTCHESS	12,796		85,517	6,670
ERIE	106,613	58	194,629	33,136
ESSEX			20,322	2,717
FRANKLIN		15	11,008	5,539
FULTON	8,958		13,454	1,383

New Map



New Count

County	City Parcels	Reservation Parcels	Township Parcels	Village Parcels
Grand Total	566,359	169	1,754,607	382,891
ALBANY	35,713		56,951	7,738
ALLEGANY			12,860	4,608
BROOME	16,540		58,338	13,288
CATTARAUGUS	8,942	17	23,414	5,356
CAYUGA	9,185		21,988	3,691
CHAUTAUQUA	16,354		32,078	11,349
CHEMUNG	10,192		21,498	5,372
CHENANGO	2,555		23,458	3,191
CLINTON	4,797		24,041	2,215
CORTLAND	4,383		7,647	1,872
DELAWARE			20,013	5,905
DUTCHESS	12,777		83,099	6,654
ERIE	106,644		194,493	33,065
ESSEX			19,786	2,676
FRANKLIN			10,639	5,486

(Pictured Above) New Parcel Count

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment)	Page	of
The U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration	DTPH56-14-PPS18	1	1 pages

3. Recipient Organization (Name and complete address including Zip code)

Dig Safely New York, Inc.
5063 Birttonfield Parkway, East Syracuse, NY 13057

4a. DUNS Number	4b. EIN	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment)	6. Report Type	7. Basis of Accounting
010770600	237062996		○ Quarterly ◉ Semi-Annual ○ Annual ○ Final	☒ Cash ☐ Accrual

8. Project/Grant Period From: (Month, Day, Year)	To: (Month, Day, Year)	9. Reporting Period End Date (Month, Day, Year)
September 22, 2014	September 21, 2015	12/21/15

10. **Transactions**	Cumulative
(Use lines a-c for single or multiple grant reporting)	
Federal Cash (To report multiple grants, also use FFR Attachment):	
a. Cash Receipts	
b. Cash Disbursements	
c. Cash on Hand (line a minus b)	
(Use lines d-o for single grant reporting)	
Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	$83,251.00
e. Federal share of expenditures	$83,251.00
f. Federal share of unliquidated obligations	
g. Total Federal share (sum of lines e and f)	$83,251.00
h. Unobligated balance of Federal funds (line d minus g)	
Recipient Share:	
i. Total recipient share required	0
j. Recipient share of expenditures	$14,226.74
k. Remaining recipient share to be provided (line i minus j)	0
Program Income:	
l. Total Federal program income earned	0
m. Program income expended in accordance with the deduction alternative	0
n. Program income expended in accordance with the addition alternative	0
o. Unexpended program income (line l minus line m or line n)	0

	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
11. Indirect Expense							
				g. Totals:			

12. *Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:*
$83,251 grant award Total Project cost was $97,477.74 a request for reimbursement for the approved expenses of $83,251 will immediately follow this report submission.

13. Certification: By signing this report, I certify that it is true, complete, and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official	c. Telephone (Area code, number and extension)
KEVIN HOPPER EXECUTIVE DIRECTOR	(315)437-7394
	d. Email address hopper@digsafelynewyork.com
b. Signature of Authorized Certifying Official	e. Date Report Submitted (Month, Day, Year) 02/23/16
	14. Agency use only:

Standard Form 425
OMB Approval Number: 0348-0061
Expiration Date: 10/31/2011

Paperwork Burden Statement
According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0060), Washington, DC 20503.

Estimated Budget			Actual		
Personnel	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
			$0.00	**$0.00**	$0.00
Fringe Benefits	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
		$ -			
Total Fringe Benefits			$0.00	**$0.00**	$0.00
Travel	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Total Travel			$0.00	**$0.00**	$0.00
Equipment	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Seneca Data	Server and Server Licenses		$4,639.00	**$4,639.00**	
Total Equipment			$4,639.00	**$4,639.00**	$0.00
Supplies	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Total Supplies			$0.00	**$0.00**	$0.00
Contractual	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Syracuse Utilities	Mock utility demonstration site installation		$36,964.98	**$33,612.00**	$3,352.98
Face First Creative	Drupal Web Implementaion		$0.00	**$0.00**	$0.00
Tableau	Tableau Consulting expense		$873.76	**$0.00**	$873.76
Tableau	Tableau Quick Start Deployment Services		$10,000.00	**$0.00**	$10,000.00
Tableau	5 Desktop and 50 Web Licenses		$45,000.00	**$45,000.00**	
			$0.00		
Total Contractual			$92,838.74	**$78,612.00**	$14,226.74
Construction	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Total Construstion			$0.00	**$0.00**	$0.00
Other	**Description**	**Rate**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Total Other			$0.00	**$0.00**	$0.00
Total Direct Charges			$97,477.74	**$83,251.00**	$14,226.74
Indirect charges					
Total			$97,477.74	**$83,251.00**	$14,226.74

Tableau Estimated Budget				Actual		
Personnel	**Description**	**Rate**	**Estimated Cost**	**Actual Spent**	**Grant Requested**	**DSNY Funded**
Total Personnel			**$ -**	$0.00	$0.00	$0.00
Fringe Benefits	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
		$ -	$ -			
Total Fringe Benefits			**$ -**			
Travel	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
Total Travel			**$ -**	$0.00	$0.00	$0.00
Equipment	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
Seneca Data	Server and Server Licenses		$ 4,639.00	$4,639.00	$4,639.00	$0.00
Total Equipment			**$ 4,639.00**	$4,639.00	$4,639.00	$0.00
Supplies	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
Total Supplies			**$ -**	$0.00	$0.00	$0.00
Contractual	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
Face First Creative	Drupal Web Implementaion		$ 6,000.00	$0.00	$0.00	$0.00
Tableau	Tableau Consulting expense		$ 3,999.00	$873.76	$0.00	$873.76
Tableau	Tableau Quick Start Deployment Services		$ 6,750.00	$10,000.00	$0.00	$10,000.00
Tableau	5 Desktop and 50 Web Licenses		$ 45,000.00	$45,000.00	$45,000.00	
Total Contractual			**$ 61,749.00**	$55,873.76	$45,000.00	$10,873.76
Construction	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
Total Construstion				$0.00	$0.00	$0.00
Other	**Description**	**Rate**	**Estimated Cost**		**Grant Requested**	
Total Other				$0.00	$0.00	$0.00
Total Direct Charges			**$ 66,388.00**	$60,512.76	$49,639.00	$10,873.76
Indirect charges			$ -			
Total			**$ 66,388.00**	$60,512.76	$49,639.00	$10,873.76

Training Site Estimated Budget				Actual		
Personnel	**Description**	**Rate**	**Estimated Cost**	**Actual Spent**	**Grant Funded**	**DSNY Funded**
Total Personnel			**$ -**	$0.00	**$0.00**	$0.00
Fringe Benefits	**Description**	**Rate**	**Estimated Cost**			
		$ -	$ -			
Total Fringe Benefits			**$ -**			
Travel	**Description**	**Rate**	**Estimated Cost**			
Total Travel			**$ -**	$0.00	**$0.00**	$0.00
Equipment	**Description**	**Rate**	**Estimated Cost**			
		$ -	$ -			
Total Equipment			**$ -**			
Supplies	**Description**	**Rate**	**Estimated Cost**			
Total Supplies			**$ -**			
Contractual	**Description**	**Rate**	**Estimated Cost**			
Syracuse Utilities	Mock utility demonstration site installation		$ 39,226.00	$36,964.98	**$ 33,612.00**	$3,352.98
Total Contractual			**$ 39,226.00**	$36,964.98	**$33,612.00**	$3,352.98
Construction	**Description**	**Rate**	**Estimated Cost**			
Total Construstion						
Other	**Description**	**Rate**	**Estimated Cost**			
Total Other						
Total Direct Charges			**$ 39,226.00**	$36,964.98	**$33,612.00**	$3,352.98
Indirect charges			$ -			
Total			**$ 39,226.00**	**$ 36,964.98**	**$ 33,612.00**	**$ 3,352.98**

SyracuseUtilities
P.O. Box 587 • 9583 Brewerton Rd.
Brewerton, NY 13029
(315) 676-2021 • Fax: (315) 676-2857

Dig Safely New York
5063 Brittonfield Parkway
East Syracuse, NY 13057

INVOICE
355-02051

2/5/16

NET 30

SU Job # 355-12091

Location: 6706 Collamer Rd, Dewitt

Mock URD facility installation according to attached detail		$34,226.83
SUBTOTAL		$34,226.83
SALES TAX:		
Onondaga	8.00%	$2,738.15
TOTAL		$36,964.98

PLEASE PROVIDE TAX EXEMPT FORM AND PAY SUBTOTAL IF APPLICABLE

DSNY mock URD facility installation

JOB # 355-12091

	totals:	12/09/15	12/10/15	12/11/15	12/15/15	12/16/15	12/17/15	02/01/16		
labor										
foreman	22.5	8	8.5	2	2	2			$81.00	$1,822.50
operator	65	8	8.5	8	8.5	8.5	7.5	16	$75.00	$4,875.00
teamster	4	4							$70.00	$280.00
laborer	125.5	8	12	16	17	25.5	15	32	$70.00	$8,785.00
equipment										**$15,762.50**
tool-trk	49	8	8.5	8	8.5	8.5	7.5		$40.00	$1,960.00
dump-trk	87.5	2	8	8	8	8	7.5	46	$45.00	$3,937.50
rollback	5		5						$45.00	$225.00
20-ton trlr	25.5	2		8			7.5	8	$15.00	$382.50
5-ton trlr	28	8	4	4	4	4	4		$8.00	$224.00
excavator (17K)	49.5	2	8	8	8	8	7.5	8	$100.00	$4,950.00
all-terrain fork truck	6			6					$45.00	$270.00
skid-str	31.5				8	8	7.5	8	$33.00	$1,039.50
alum. shield (8'x8')	16			8	8				$25.00	$400.00
10" core bore	1			1					$55.00	$55.00

purchased material		**$13,443.50**
sand	36.6 ton (Kinsella)	$576.20
crusher-run	63.84 ton (Kinsella)	$868.40
2"x6"x8' PT post	2 ea (Giarrusso Building Supply)	$26.96
3" deck screws	350 ea (Giarrusso Building Supply)	$24.89
80# bag of mortar	2 ea	$13.21
topsoil	10 yds	$300.00
NCSB "Vinyl Cottage Barn"	1 ea	$3,211.17
		$5,020.83

donated material (does not include items arranged for by DSNY, which were on-site when we arrived)

4'x4' sewer MH w/ cone	1 ea (Jefferson Concrete)	N/C
frame & cover, 8"	1 ea (AJ Montclair)	N/C
8" SDR-35 (sewer)	60 ft (AJ Montclair / Paver-1)	N/C
8"x8"x4" 'Y'	1 ea (Paver-1)	N/C
4"x6"x10' PT post	2 ea (Syracuse Utilities)	N/C
4" SDR-35	10 ft (Syracuse Utilities)	N/C
4"x45 SDR-35	10 ft (Syracuse Utilities)	N/C
6" ductile, (water)	60 ft (AJ Montclair / Paver-1)	N/C
fire hydrant	1 ea (Syracuse Utilities)	N/C
3/4" copper	10 ft (Syracuse Utilities)	N/C
3/4" corp	1 ea (Syracuse Utilities)	N/C
3/4" curb stop	1 ea (Syracuse Utilities)	N/C
4"x1" gas 'T'	1 ea (Syracuse Utilities)	N/C
1" steel riser	1 ea (Syracuse Utilities)	N/C
2" plastic inner-duct	80 ft (Syracuse Utilities)	N/C
1.5" plastic inner-duct	60 ft (Syracuse Utilities)	N/C
hand-hole, large	3 ea (Syracuse Utilities)	N/C
6" buried mrk tape	150 ft (Syracuse Utilities)	N/C
locate wire, SS	200 ft (Syracuse Utilities)	N/C

grand total :	**$34,226.83**

Tableau Software, Inc.
837 North 34th Street, Suite 200
Seattle, WA 98103
Phone: (206) 633-3400
Fax: (206) 260-2883
FEIN: 47-0945740
DUNS: 60-386-5093

Date	2/23/2015
Invoice #	IN-2836667EXP
Reference Quote #	
PO #	PAF2470157
Terms	Net 30
Sales Rep	Tom Friedlander
Admin Email	hopper@digsafelynewyork.com
Memo	PAF Authorized and Signed by Kevin Hopper ; Michael Kramer - 1/26 - 1/29/2015
Business Terms	

Bill To:
Accounts Payable
Dig Safely New York, Inc.
5063 Brittonfield Pkwy
East Syracuse, NY 13057-9692
US

Ship To: (electronically delivered)
Kevin Hopper
Dig Safely New York, Inc.
5063 Brittonfield Pkwy
East Syracuse, NY 13057-9692
US

You have 24/7 access to your product key and product download via this secure download site: http://myaccount.tableau.com

Product Code	Product Name	Maintenance Start Date	Maintenance End Date	Product Key	Quantity	Unit Price	Total Price
902-000-004	Consulting Expenses - Professional Services				1.0	USD 873.76	USD 873.76

Total: USD 873.76

Thank you for your business!

Payment Instructions:

Wire Transfer and ACH Instructions

Currency:	US Dollar (USD)
Beneficiary Bank:	Silicon Valley Bank 3003 Tasman Santa Clara, California 95054
Beneficiary Name:	Tableau Software, Inc.
Beneficiary Account:	Domestic: 3300681455 (ACH/EFT Routing: #121140399) International: 3300681455 (SWIFT: SVBKUS6S)

All transaction fees must be covered by sender and should be specified upon initiation of the wire transfer. Please include your Company Name and Invoice Number(s) with your wire transfer to ensure timely and accurate application of your payment.

VERIFIED
DATE
APPROVED
DATE 2/25/2015
ACCOUNT CODE NUMBER 925-7

Other Payment Options

Credit Card Payment Form:	http://www.tableau.com/ccform
Purchase Order:	Remit to Tableau Software via email to customerservice@tableau.com.
To Pay By Check:	Include invoice number on check and remit to: Tableau Software, Inc. PO Box 204021 Dallas, TX 75320-4021

Please Note: All orders are subject to the terms and conditions outlined in the Tableau Software Inc. End User License Agreements (http://www.tableau.com/policies/eula.pdf and http://www.tableau.com/tableau-online-agreement)

Additionally, maintenance rates in year one are not optional; optional subsequent second year fees will be the same as in year one.

Tableau Software, Inc.
837 North 34th Street, Suite 200
Seattle, WA 98103
Phone: (206) 633-3400
Fax: (206) 260-2883
FEIN: 47-0945740
DUNS: 60-386-5093

Date	1/29/2015
Invoice #	IN-2836667
Reference Quote #	
PO #	PAF2470157
Terms	Net 30
Sales Rep	Tom Friedlander
Admin Email	hopper@digsafelynewyork.com
Memo	PAF Authorized and Signed by Kevin Hopper ; Michael Kramer - 1/26 - 1/29/2015
Business Terms	

Bill To:
Accounts Payable
Dig Safely New York, Inc.
5063 Brittonfield Pkwy
East Syracuse, NY 13057-9692
US

Ship To: (electronically delivered)
Kevin Hopper
Dig Safely New York, Inc.
5063 Brittonfield Pkwy
East Syracuse, NY 13057-9692
US

You have 24/7 access to your product key and product download via this secure download site: http://myaccount.tableau.com

Product Code	Product Name	Maintenance Start Date	Maintenance End Date	Product Key	Quantity	Unit Price	Total Price
1040705.1208	Services - Server Rapid Start				1.0	USD 10,000.00	USD 10,000.00
					Total:		USD 10,000.00

Thank you for your business!

Payment Instructions:

Wire Transfer and ACH Instructions

Currency:	US Dollar (USD)
Beneficiary Bank:	Silicon Valley Bank 3003 Tasman Santa Clara, California 95054
Beneficiary Name:	Tableau Software, Inc.
Beneficiary Account:	Domestic: 3300681455 (ACH/EFT Routing: #121140399) International: 3300681455 (SWIFT: SVBKUS6S)

All transaction fees must be covered by sender and should be specified upon initiation of the wire transfer. Please include your Company Name and Invoice Number(s) with your wire transfer to ensure timely and accurate application of your payment.

VERIFIED
DATE
APPROVED
DATE 2/25/2015
ACCOUNT CODE NUMBER 925-3

Other Payment Options

Credit Card Payment Form:	http://www.tableau.com/ccform
Purchase Order:	Remit to Tableau Software via email to customerservice@tableau.com.
To Pay By Check:	Include invoice number on check and remit to: Tableau Software, Inc. PO Box 204021 Dallas, TX 75320-4021

Please Note: All orders are subject to the terms and conditions outlined in the Tableau Software Inc. End User License Agreements (http://www.tableau.com/policies/eula.pdf and http://www.tableau.com/tableau-online-agreement)

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Tableau Software, Inc.
837 North 34th Street, Suite 200
Seattle, WA 98103
Phone: (206) 633-3400
Fax: (206) 260-2883
FEIN: 47-0945740
DUNS: 60-386-5093

Date	12/1/2014
Invoice #	IN-2470157
Reference Quote #	Q1412-255086
PO #	PAF2470157
Terms	Net 30
Sales Rep	Ansel Sanger
Admin Email	hopper@digsafelynewyork.com
Memo	PAF Authorized and Signed by Kevin Hopper
Business Terms	

Bill To:
Kevin Hopper
Dig Safely New York, Inc.
5063 Brittonfield Pkwy
East Syracuse, NY 13057-9692
US

Ship To: (electronically delivered)
Kevin Hopper
Dig Safely New York, Inc.
5063 Brittonfield Pkwy
East Syracuse, NY 13057-9692
US

You have 24/7 access to your product key and product download via this secure download site: http://myaccount.tableausoftware.com

Product Code	Product Name	Maintenance Start Date	Maintenance End Date	Product Key	Quantity	Unit Price	Total Price
2010101.1011	Desktop - Professional User - License EDU/NFP	1-Dec-2014	30-Nov-2015	TDV2-D866-9FD0-BC3B-1D1D	1.0	USD 1,200.00	USD 1,200.00
2010101.1011	Desktop - Professional User - License EDU/NFP	1-Dec-2014	30-Nov-2015	TD54-D87C-23A0-F8FA-9870	1.0	USD 1,200.00	USD 1,200.00
2010101.1011	Desktop - Professional User - License EDU/NFP	1-Dec-2014	30-Nov-2015	TDG5-D88F-3670-F029-9E34	1.0	USD 1,200.00	USD 1,200.00
2010101.1011	Desktop - Professional User - License EDU/NFP	1-Dec-2014	30-Nov-2015	TD77-D8A9-4E20-CF94-6097	1.0	USD 1,200.00	USD 1,200.00
2010101.1011	Desktop - Professional User - License EDU/NFP	1-Dec-2014	30-Nov-2015	TDL0-D83E-3040-0FD5-4919	1.0	USD 1,200.00	USD 1,200.00
2031101	Server - Web Client Interactor - License EDU/NFP	1-Dec-2014	30-Nov-2015	TS7Y-D851-4310-5A6C-486A	50.0	USD 600.00	USD 30,000.00

2010102.1110	Desktop - Professional User - Maintenance EDU/NFP	1-Dec-2014	30-Nov-2015		5.0	USD 300.00	USD 1,500.00
2031102.1110	Server - Web Client Interactor - Maintenance EDU/NFP	1-Dec-2014	30-Nov-2015		50.0	USD 150.00	USD 7,500.00
						Total:	USD 45,000.00

Thank you for your business!

Payment Instructions:

Wire Transfer and ACH Instructions

Currency:	US Dollar (USD)
Beneficiary Bank:	Silicon Valley Bank 3003 Tasman Santa Clara, California 95054
Beneficiary Name:	Tableau Software, Inc.
Beneficiary Account:	Domestic: 3300681455 (ACH/EFT Routing: #121140399) International: 3300681455 (SWIFT: SVBKUS6S)

All transaction fees must be covered by sender and should be specified upon initiation of the wire transfer. Please include your Company Name and Invoice Number(s) with your wire transfer to ensure timely and accurate application of your payment.

Other Payment Options

Credit Card Payment Form:	http://www.tableausoftware.com/ccform
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Additionally, maintenance rates in year one are not optional; optional subsequent second year fees will be the same as in year one.

VERIFIED_____
DATE_____
APPROVED_____
DATE 12/3/2014
ACCOUNT CODE NUMBER_____

2014 Federal grant
Tableau Software