

# Green Light-Go: The First Five Years



**MASITE Annual Meeting  
September 28, 2019**

# PennDOT Office of Green Light-Go



# PennDOT Office of ARLE Funding



# Green Light-Go Grant Program

- Enabled by Act 89 (2013) and updated by Act 101 (2016)
- Up to \$40 million per year available for traffic signal (state funds)
- 20% municipal match required
- Focus on improving efficiency and operation of existing traffic signals



<b>Funding Round</b>	<b>Year 1 (FY 14/15)</b>	<b>Year 2 (FY 15/16)</b>	<b>Year 3 (FY 16/17)</b>	<b>Year 4 (FY 17/18)</b>
Applications	72	151	137	132
Projects Awarded	46	140	115	81
# of municipalities	38	109	95	66
Grant Funding	\$1,828,760	\$12,016,286	\$33,121,577	\$31,415,742

<http://www.dot.state.pa.us/Portal%20Information/Traffic%20Signal%20Portal/FUNDGLG.html>

# Green Light-Go Eligible Project Types

Project Type	Year 1	Year 2	Year 3+
Upgrading to light-emitting diode technology	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Performing regional operations such as retiming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Developing special event plans	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Monitoring traffic signals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Maintaining and operating traffic signals		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Source: Pennsylvania Vehicle Code, 75 Pa.C.S. 9511(e.1)

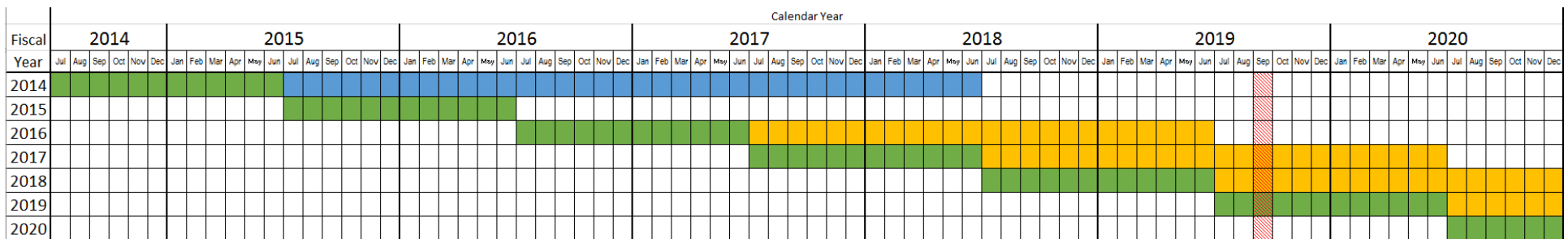
## Act 101 Updates (2016)

- Reduction of **matching fund requirement** from 50% to 20%
- Expanded and clarified **eligible applicants**
- Expansion to allow **existing traffic signals on local roadways** to be considered for the program
- Expansion to allow state or federal funding to be used as matching funds (except for TIP funding)
- Additional **eligible activities** such as ITS
- Adjustment to allow **focus on a municipal grant reimbursement program** with projects managed by awarded municipalities instead of PennDOT (unless otherwise specified)
- Expanded grants to be allocated for **two consecutive fiscal years** and shall not lapse at the end of the fiscal year when the grant was awarded.

# Green Light-Go Funding

Fiscal Year	Act 89 Allocation	Budget Appropriation	Actual Expenses
2014-15	Up to \$10 million	\$10 million	\$8.4 million
2015-16	Up to \$25 million	\$25 million	\$0
2016-17	Up to \$40 million	\$40 million	\$3.7 million
2017-18	Up to \$40 million	\$40 million	\$7.4 million*
2018-19	Up to \$40 million	\$40 million	\$4.0 million*
2019-20	Up to \$40 million	<b>\$10 million</b>	

\*As of September 2019



- New commitments can be created
- Previously committed funds can be spent
- Budget waiver to allow longer expenditure of funds

# Green Light-Go Budget Appropriation

## GENERAL APPROPRIATION ACT OF 2019 - ENACTMENT

Act of Jun. 28, 2019, P.L. , No. 1A

Cl. 84

An Act

Section 801. Department of Transportation.

The following amounts are appropriated to the Department of Transportation:

Federal

State

### PART VIII

#### MOTOR LICENSE FUND APPROPRIATIONS FOR CURRENT FISCAL YEAR

#### SUBPART A

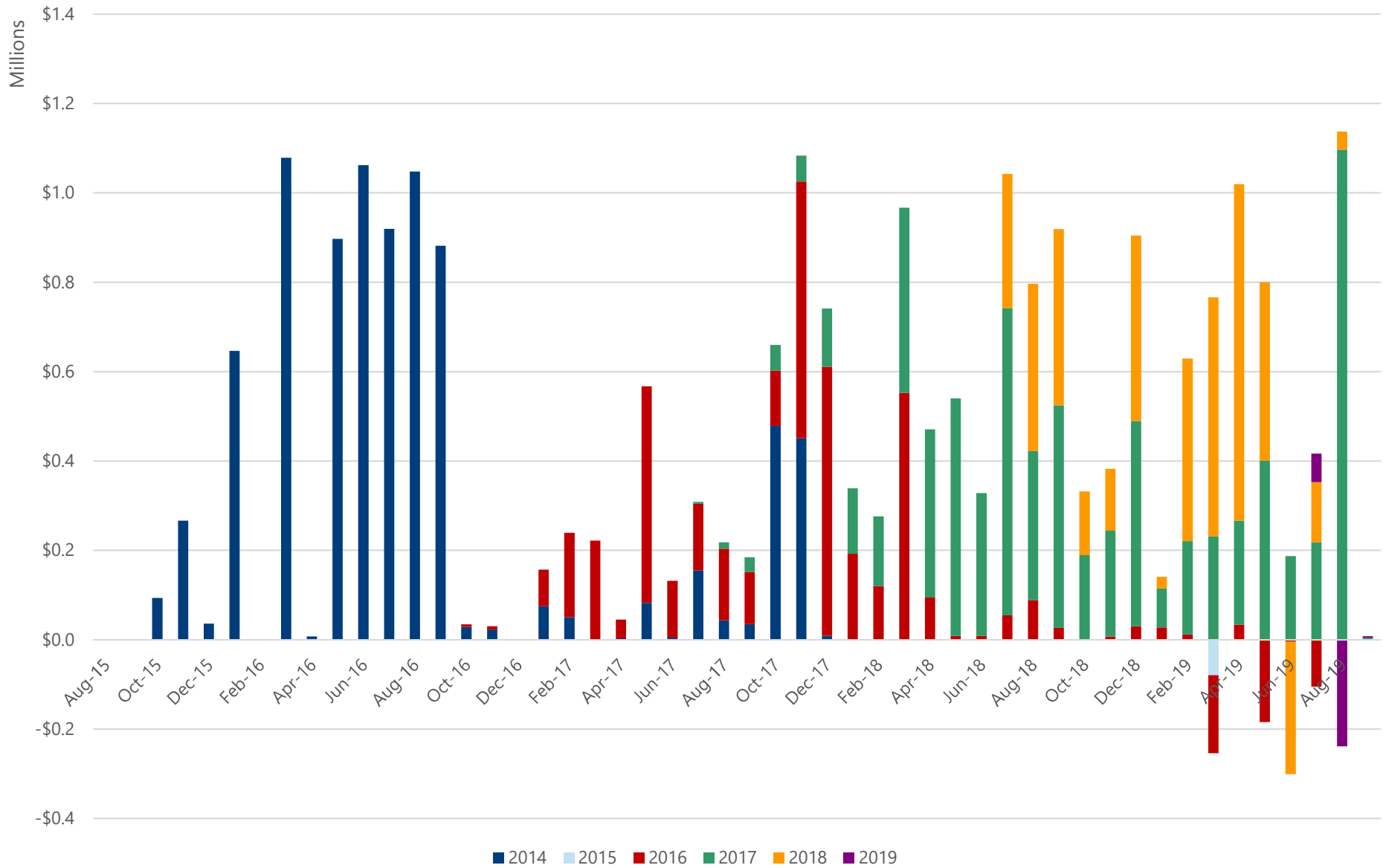
#### MOTOR LICENSE FUND

For municipal traffic signals.

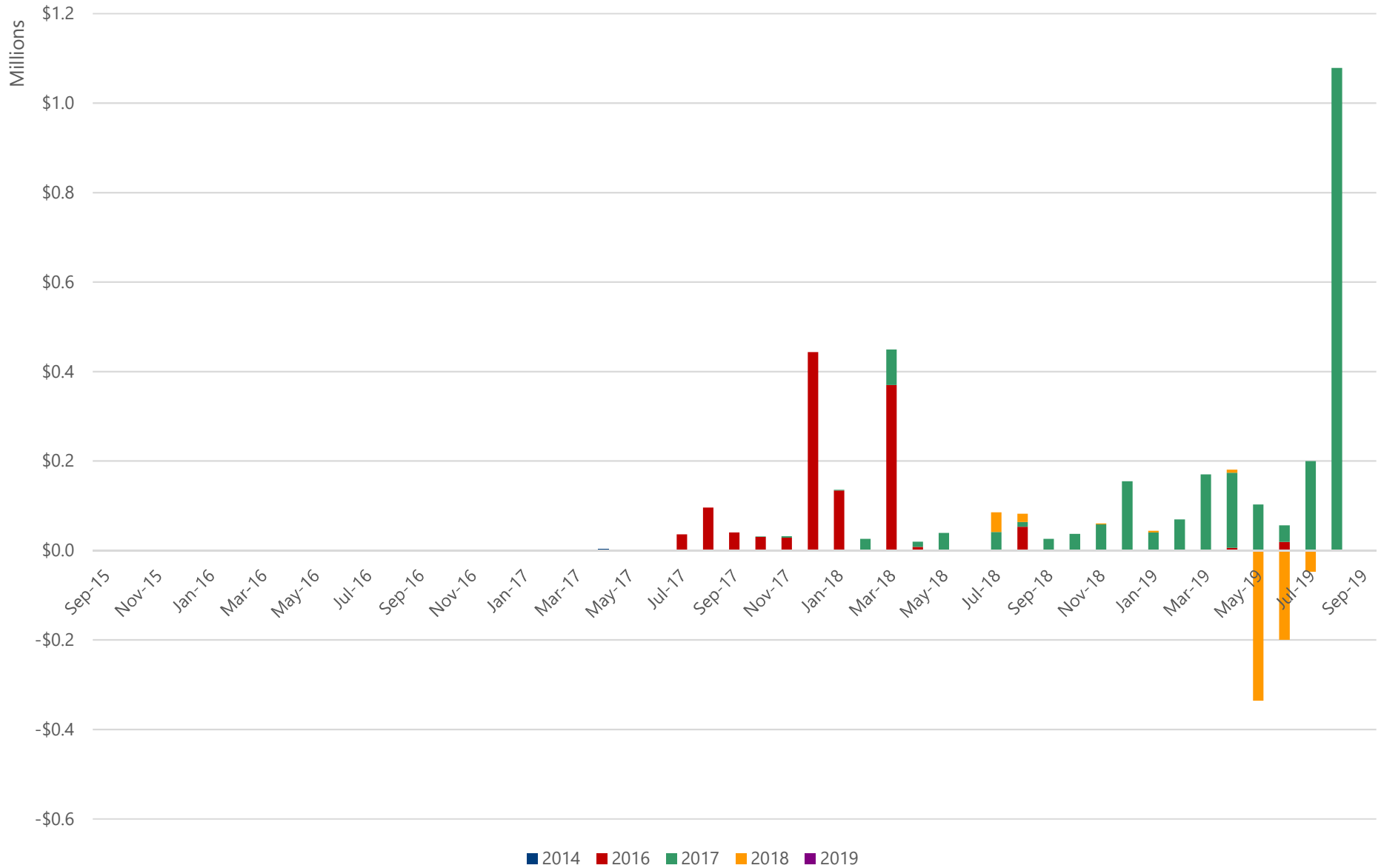
State appropriation.....

10,000,000

# Green Light-Go Appropriation Cash Flow



# Green Light-Go Grant Cash Flow





# Green Light-Go Program

## Local Grant Element

- Initially limited to designated corridors
- After Act 101, expanded to include projects at any existing traffic signal

## PennDOT Project Element

- Initially used for critical corridors
- PennDOT management of municipal-scoped projects
- Mostly eliminated by Act 101 beginning Year 3

## PennDOT Management Element

- Transition to PennDOT ownership
- Position paper in August 2014 identified additional staffing to achieve this
- No additional staffing added to date

# Local Grant Element

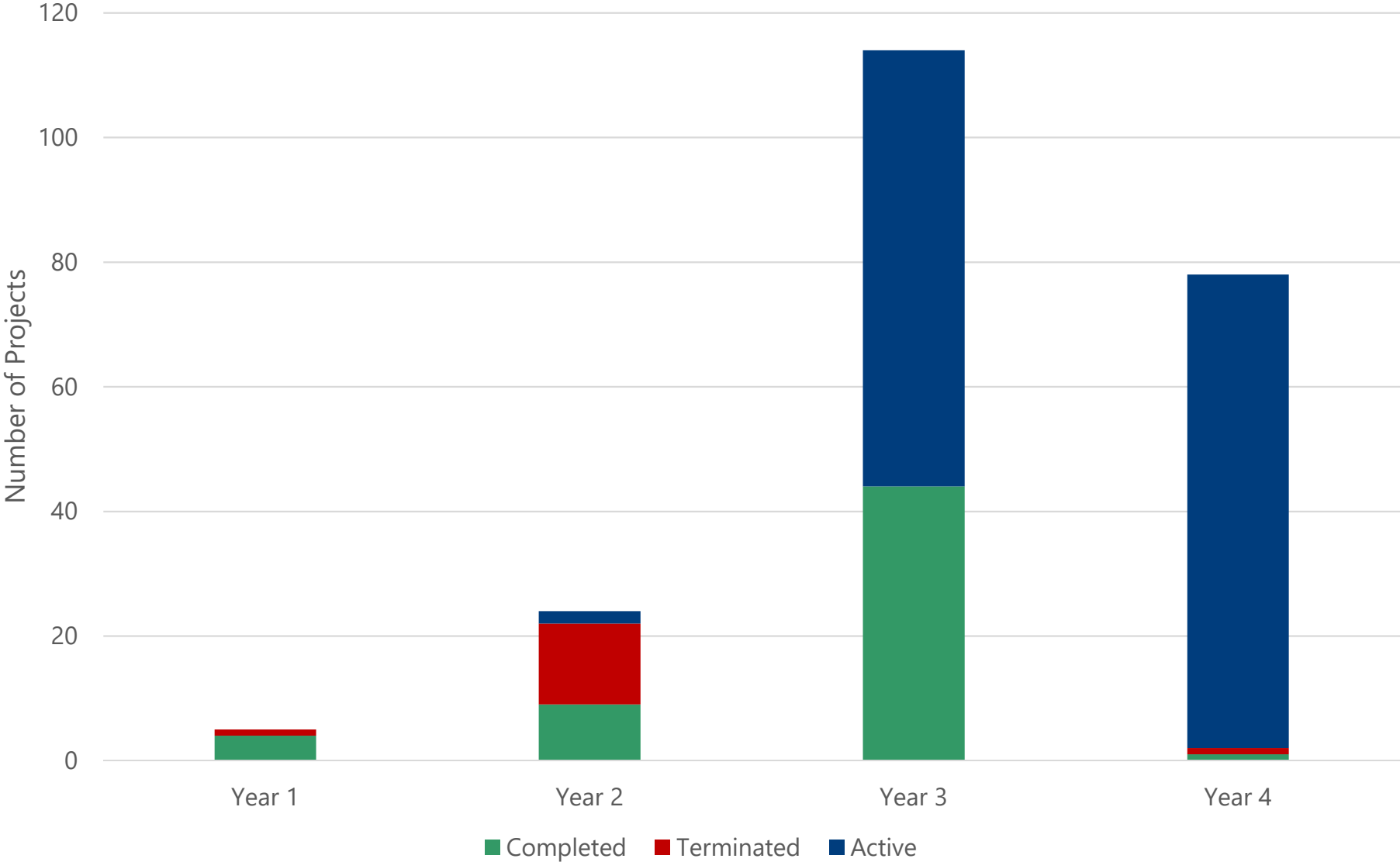
# GLG Local Grant Summary

Funding Cycle	Year 1	Year 2	Year 3	Year 4
<b>Awarded Projects</b>	5	24	114	78
<b>Completed Projects</b>	4	9	44	1
<b>Terminated Projects</b>	1	13	0	1
<b>Active Projects</b>	0	2	70	76
<b>Total Award Amount</b>	\$36,243.90	\$957,623.84	\$33,079,336.98	\$30,952,769.83
<b>Expenditures to Date<sup>1</sup></b>	\$27,810.65	\$123,972.86	\$2,623,793.44	\$19,382.59
<b>Unused Funds<sup>2</sup></b>	\$8,433.25	\$154,582.23	\$380,146.75	\$223,055.50
<b>Outstanding Balance</b>	<b>\$0</b>	<b>\$679,068.75</b>	<b>\$30,075,396.79</b>	<b>\$30,710,331.74</b>

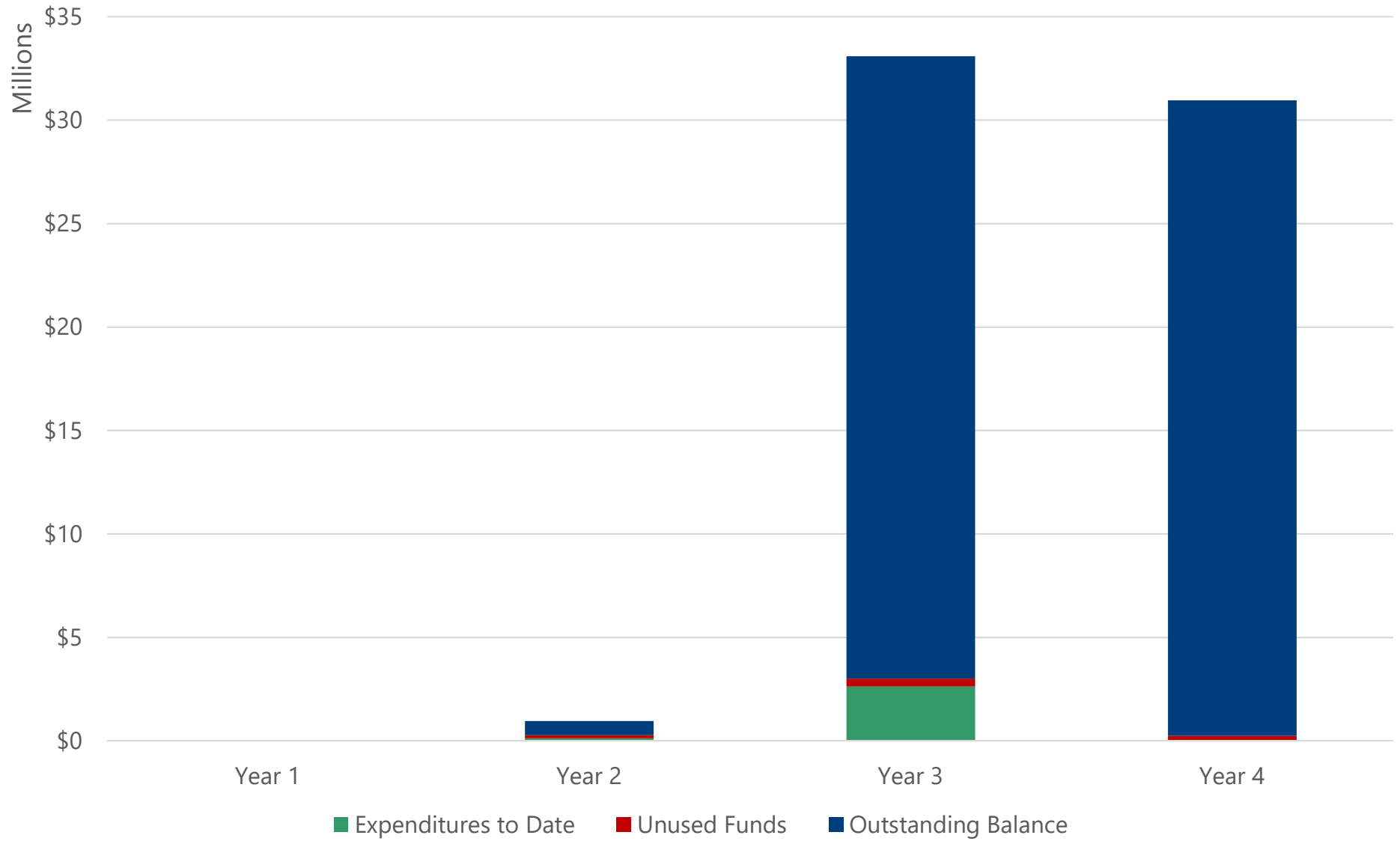
<sup>1</sup>Expenditures as of September 20, 2019

<sup>2</sup>Unused funds include projects that were terminated or completed for less cost than the application estimate.

# GLG Local Grant Summary



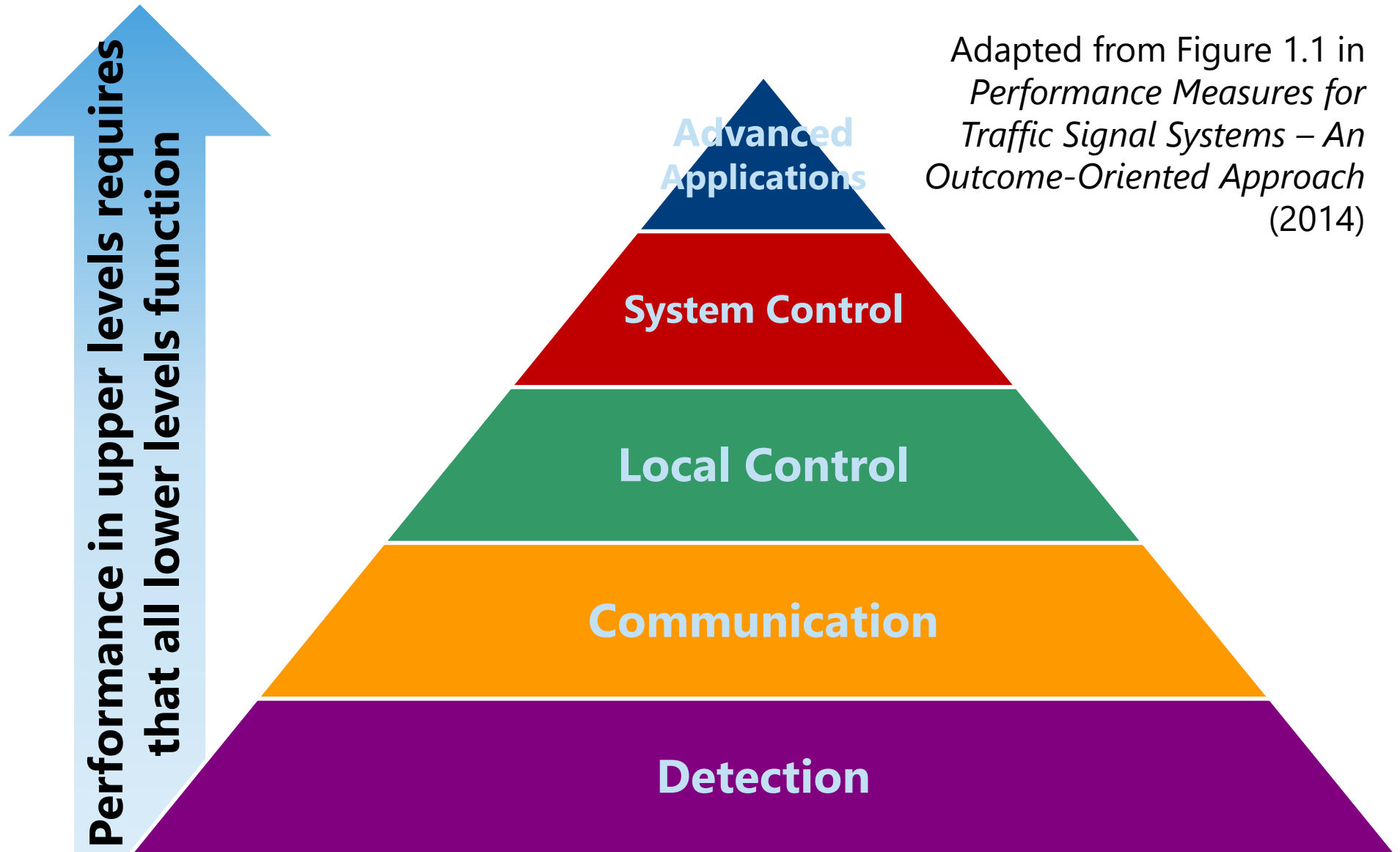
# GLG Local Grant Summary



# Eligible Project Types

- LED Replacement
- Traffic Signal Retiming
- Study and Removal of Unwarranted Traffic-Control Signals
- Monitoring
- Innovative Technologies
- Communications/Connections Back to TMC
- Detection and/or Controller Upgrades
- Modernization Upgrades
- Intelligent Transportation System (ITS) Applications

# Hierarchy of Traffic Signal System Needs



# Hierarchy of Traffic Signal System Needs: Example



# Hierarchy of Traffic Signal System Needs: Example



# Hierarchy of Needs: Example 2



# Hierarchy of Needs: Example 2



Form 964 (R-1-29-47)      COMMONWEALTH OF PENNSYLVANIA      Permit No. 1496  
 DEPARTMENT OF HIGHWAYS  
 Harrisburg

TRAFFIC SIGNAL PERMITS

In accordance with the provisions of Section 1110 of Act 260 approved June 5, 1937, the Secretary of Highways hereby approves the installation and operation of a traffic signal at the intersection of Lewis & Noble, Diannore and Crafton Avenues

In the Borough of Crafton, County of Allegheny  
 This permit is issued to, and accepted by the Borough of Crafton  
 hereinafter known as the Permittee, as follows:

This installation shall be in accordance with the provisions of the Vehicle Code of the Commonwealth of Pennsylvania and the Manual of Regulations for Official Traffic Signs and Signals of the Department of Highways, and shall conform to the following:

Type of Signal Corner Post      Type of Controller Synchronous Motor  
 Number of Poets 3      Number of Signal Faces 15      Special Lenses None  
 Sequence of Lens Illumination Green, Yellow, Red and repeat  
 Hours of Operation as "Stop" and "Go" According to traffic requirements.  
 Hours of Operation as "FLASHING" When vehicular traffic falls below 500 per hr or more consecutive hours, usually between 11:00 P.M. and 7:00 A.M.

**TIMING** Any cycle up to but not exceeding 65 seconds. Three period controller equipped to flash "yellow" on Noble Avenue, flash "red" on Diannore Avenue and flash "red" on Crafton Avenue. Provide progressive movement on Noble Avenue. Signals to operate 24 hours a day.

All work performed by the Permittee in the erection of the traffic signal, shall be under and subject to the direction of the Secretary of Highways or his authorized assistants or representatives. The Permittee shall maintain the signal in a safe condition at all times. The Permittee covenants and agrees to fully indemnify and save harmless the Department of Highways and assume all liability for damages or injury, occurring to any person, person or property through or in consequence of any act or omission of anyone working on the construction, or from faulty maintenance or operation of such traffic signal.

The Permittee shall provide that no color or flashing light signs or other lights, signs or markings are so located as to interfere with the signal indications, by authority of Section 1105 (c) of The Vehicle Code.

The said Permittee shall use due diligence in the execution of the work authorized under this permit and shall not obstruct or endanger travel along the said road. All operations must be conducted so as to permit safe and reasonably free travel at all times over the road within the limits of the work herein permitted.

The Secretary of Highways, by law, reserves the right to revoke and annul this permit if the Permittee shall at any time wilfully or negligently fail to comply with the conditions contained in this permit, or, upon changes in traffic conditions, fail to make any changes in the construction or operation of this signal, or to remove it, when so ordered by the Secretary of Highways; or if this installation is not in operation within six (6) months of the receipt of this permit.

The Permittee agrees to notify the Department of Highways in writing, within 48 hours, of any change in the construction or operation of this signal, or of any change of the local official with authority over it.

This permit cancels and supersedes all previous permits issued for this intersection.

APPROVED:      Ray F. Snook  
 Secretary of Highways

By [Signature]  
 Deputy Secretary of Highways

Date: December 18, 1947

Date: December 18, 1947

# Ineligible Projects

- New Traffic Signals
- Routine Maintenance (includes in-kind replacement of defective equipment)
- Emergency Preemption
- Battery Backup/Uninterruptible power supplies
- Flashing Warning Devices

# GLG Local Grant Process



<http://www.dot.state.pa.us/public/Bureaus/BOMO/Portal/GLG Local Grant Process Overview.pdf>

# Step 1: Grant Application

- Scoping Form

- [http://www.dot.state.pa.us/public/Bureaus/BOMO/Portal/GLG\\_Scoping\\_Form.pdf](http://www.dot.state.pa.us/public/Bureaus/BOMO/Portal/GLG_Scoping_Form.pdf)
- Ensure project scope is consistent with program goals and requirements
- PennDOT assistance to refine scope to ensure successful project
- Submit to District

- Online application

- [https://www.dotgrants.penndot.gov/GLG/Module/PADOT/BOMO\\_GLG\\_Default.aspx](https://www.dotgrants.penndot.gov/GLG/Module/PADOT/BOMO_GLG_Default.aspx)

# Required TSAMS Information

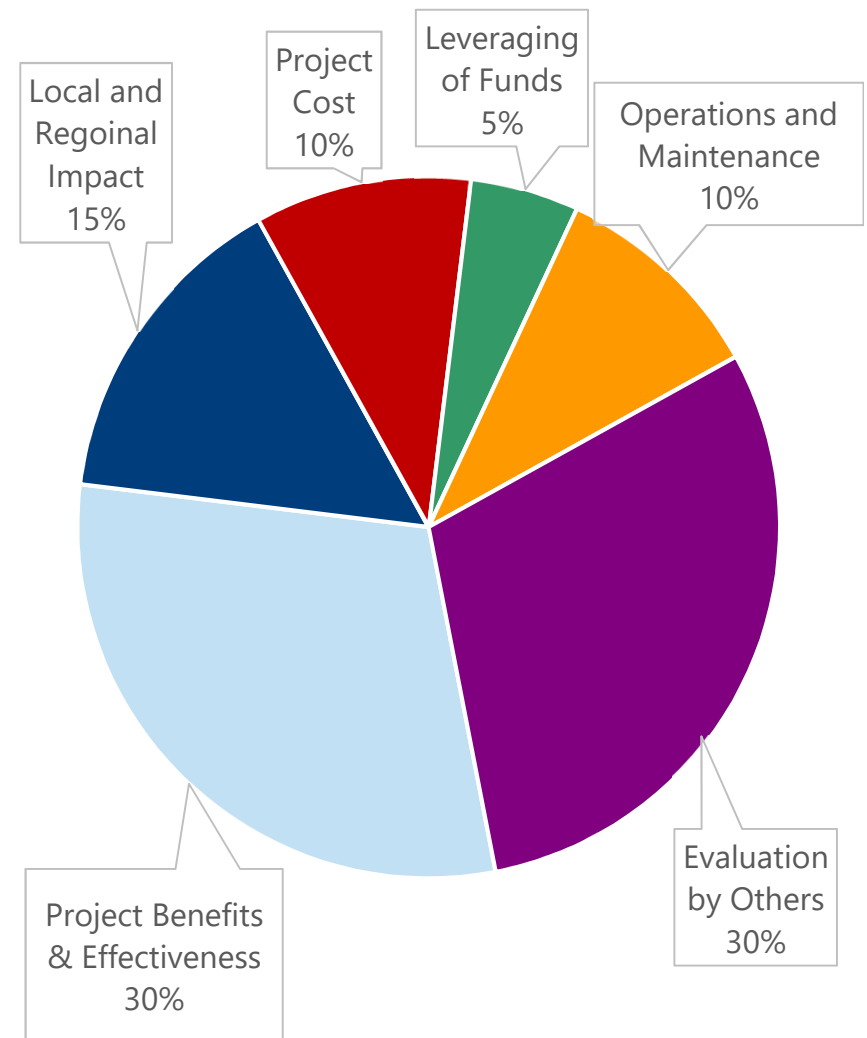
- Why TSAMS?
  - Information previously documented in GLG applications not tracked in asset management system
  - Don't duplicate information from asset management system
- Installation Date
  - Approximate if unknown
  - Goal is to understand how old the equipment to be upgraded is
- Component Type
  - Indications: Existing LED or incandescent?
  - Detection: Existing loop, video, radar, etc?
  - Controller: Existing TS-1, 170, TS-2, Electromechanical, etc?
- Last Permit Revision Date
  - Identify when last retiming would have occurred
- Existing Communications & Systems

# Required TSAMS Information

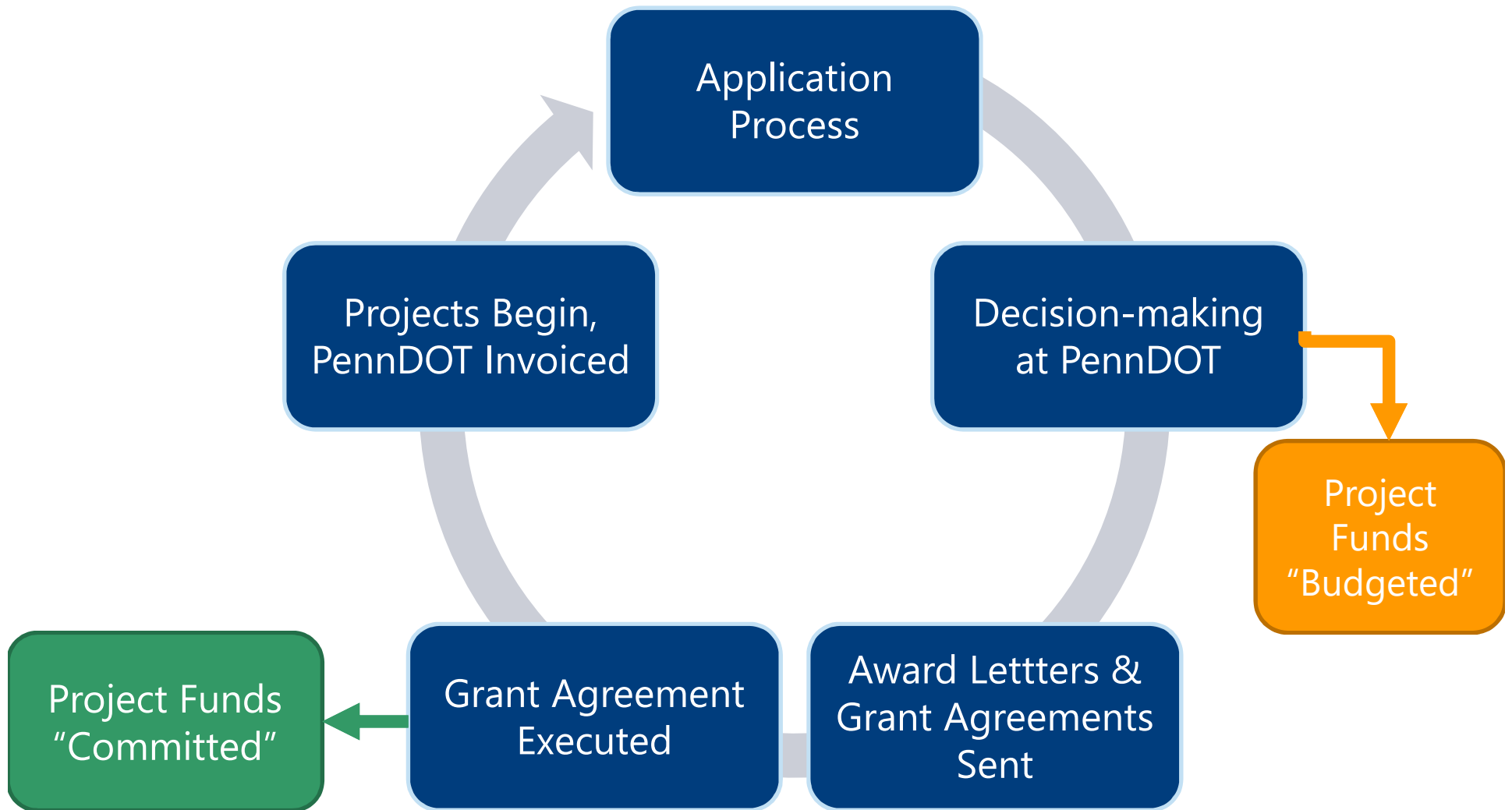
Project Type	Required TSAMS information				
	Installation Date <sup>1, 2</sup>	Component Type <sup>2</sup>	Manufacturer & Model <sup>2</sup>	Traffic Signal Systems <sup>3</sup>	Latest Permit Revision Date
LED Replacement	X	X			
Traffic Signal Retiming					X
Study and Removal of Unwarranted Traffic-Control Signals					X
Monitoring			X <sup>4,5</sup>	X	
Innovative Technologies			X <sup>4,5</sup>	X	
Communications			X <sup>4,5</sup>	X	
Connections back to TMC			X <sup>4</sup>	X	
Detection and/or Controller Upgrades	X	X	X <sup>2</sup>		
Modernization Upgrades	X				X
ITS Applications					

## Step 2: Grant Selection & Notification

- Eligibility review and scoring
  - Bureau of Maintenance and Operations staff
  - Input from traffic signal staff in each PennDOT District
- Ranking reviews
  - PennDOT Executive Staff
  - Program Management Committee (PMC)
  - Governor's Office
- Award announcement via press release



# Decision-Making at PennDOT



## Step 3: Grant Agreement

- Electronic agreements in dotGrants (Year 4+)
- Pass Municipal Resolution – identify who can sign
- Mail originals to PennDOT
  - Municipal Resolution
  - Acceptance Letter (aka Funding Commitment Letter)
- Sign Grant Agreement in dotGrants (Authorized Official)
- PennDOT Signatures on Grant Agreement
  - Bureau Director
  - Office of Chief Counsel
  - Office of General Counsel
  - Attorney General
  - Comptroller
- Milestone dates

**No reimbursable costs may be incurred prior to full execution of grant agreement**

## Step 4: Engineering & Design

- Perform or contract engineering and design work
- Consultant selection requirements
- Update traffic signal permit plans, if required
  - Coordinate with PennDOT District Traffic Unit
  - Prepare and submit updated permit plans, TE-160 forms, and all other relevant permits (HOP, environmental clearances, etc.)
- Must have approved traffic signal permit(s) before proceeding to construction



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# Design Consultant Selection

- Pub 9 (Liquid Fuels)
  - Used for small projects with limited design required
  - Project does not require an engineer with significant traffic signal design experience
- Pub 740 (Local Project Delivery Manual)
  - Used for projects where traffic signal design experience necessary for successful project delivery
  - Qualifications-based selection (cost cannot be a factor)
    - Utilize a designated municipal engineer (MUST have been selected following Pub 740 requirements)
    - Project-specific consultant selection
    - Utilize PennDOT's Open End Contracts to complete necessary tasks
  - Advertising requirements in Pub 740 (\$150k design threshold)
  - Shortlisting not required
  - DBE goals are not required unless federal funds used for match

# Design Consultant Selection

- PennDOT will not “approve” consultant selection
- Conflict of Interest provisions in Pub 93 apply
  - Section 1.5: “7. A consultant that is involved with a grant application or preparing a Request for Proposal (RFP) for a particular project is not eligible to perform preliminary engineering or final design on that project.”
  - GLG projects with Pub 740 design must comply with Pub 740
  - Preparation of technical supporting documents such as an engineering cost estimate is not considered involvement with the application for GLG
  - Completion of the narrative section of the grant application form is considered involvement and is a conflict of interest
  - Proposing the project to the municipality is a conflict of interest

## Step 5: Contract/Bid Development

- Follow municipal codes for bidding requirements
- Must follow Publication 408 specifications & Bulletin 15
- Must follow prevailing wage (if threshold is met)
- Specify construction completion date!
- 2019 Bid Thresholds (PA Bulletin 18-1837)

Entity	Public Bid	Written/ Telephonic Bid	Separate Bids
County Code	\$20,600	\$11,100	\$20,600
Third Class City Code	\$20,600		\$20,600
Boroughs and Incorporated Towns	\$20,600	\$11,100	\$20,600
First Class Township Code	\$20,600	\$11,100	\$20,600
Second Class Township Code	\$20,600	\$11,100	\$20,600

## Step 6: Construction

- Retain all construction records per grant agreement
- Municipality should regularly inspect contractor work
- PennDOT has the right to perform inspections during construction

## Step 7: Grant Reimbursement

- Year 3: submit by email
- Year 4+: submit through dotGrants
- Can submit as soon as costs are incurrent (monthly)
- PennDOT will inspect before final reimbursement
- Reimbursement form:  
[http://www.dot.state.pa.us/public/Bureaus/BOMO/Portal/GLG%20Reimbursement%20Request%20Form\\_Locked.xlsx](http://www.dot.state.pa.us/public/Bureaus/BOMO/Portal/GLG%20Reimbursement%20Request%20Form_Locked.xlsx)
  - First tab for project information and summarizes costs
  - Other tabs for each phase of project costs
  - Include all invoices and cancelled checks
  - Engineering invoices must indicate hours by person or classification and not just be lump sum
- Reimbursement based on local match % in application

# Reimbursement Form

GLG Reimbursement Form: Tab 1

**Green Light-Go Grant Program  
Grantee Request for Reimbursement Form**  
Pennsylvania Department of Transportation

Location Code 78HWYSFTY  
 Payment Request # #01  
 Date  
 Final Request for Reimbursement? No

**Section 1: Project Information**

Please refer to your Grant Agreement to complete this section.

1a. Grantee Name  
 1b. Grantee SAP Vendor #  
 1c. County  
 1d. PennDOT District **District 1**  
 1e. Grant Agreement Execution Date  
 1f. Grant Agreement Expiration Date  
 1g. Project Name  
 1h. Grant Agreement #  
 1i. Grant Amount \$  
 1j. Grantee Mailing Address (REQUIRED) Street City, PA, Zip

**Section 2: Request for Reimbursement**

Step 1: Please input the percentage of PennDOT's cost share and the percentage of your local cost share per your executed Grant Agreement  
 Step 2: Please complete tabs 2-8 (as applicable), which will auto-fill the remaining tables in this section. If you do not have any costs for a certain tab, you may leave the tab blank.

**2a. Cost Share**

PennDOT Share  
 Grantee Local Share

**Costs Submitted for Reimbursement (Per Tabs 3-8)**

	Costs	PennDOT Share	Grantee Local Share
Preliminary Engineering	\$ -		
Final Design	\$ -		
Utilities	\$ -		
Right-of-Way	\$ -		
Construction	\$ -		
Miscellaneous Services	\$ -		
In-Kind Labor	\$ -		
<b>Total Amount of Funds Expended</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Section 3: Previous Costs Submitted for Reimbursement**

This section auto-fills from Tabs 2-8.

Previous Costs Submitted for Reimbursement	Total Cost	PennDOT Share	Grantee Local Share
Preliminary Engineering	\$ -	\$ -	\$ -
Final Design	\$ -	\$ -	\$ -
Utilities	\$ -	\$ -	\$ -
Right-of-Way	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -
Miscellaneous Services	\$ -	\$ -	\$ -
In-Kind Labor	\$ -	\$ -	\$ -
<b>Expenditures in Previous Requests for Reimbursement</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Remaining Grant Amount to Complete \$ -

**BY SIGNING BELOW, THE GRANTEE CERTIFIES THE FOLLOWING:**

- \*All invoices included in this request have been paid and proof of payment is enclosed.
- \*All costs included in this request are accurate
- \*All costs included in this request are only for work performed on the project that is defined in the Grant Agreement and is within the approved scope of work.

Signature of Authorized Grantee Representative \_\_\_\_\_ Date \_\_\_\_\_  
 Type Name of Authorized Grantee Representative \_\_\_\_\_

For PennDOT Use Only	
BOMO Approval	_____
Funds Commitment #	_____
Amount to be Paid	_____
Final Invoice	YES NO

## Step 8: Final Grant Close-Out

- PennDOT will close-out grant after final reimbursement
- Municipality must maintain full and complete project records for 5 years after final reimbursement

# Project Status Reports

- Started in 2019
- Quarterly updates from municipal grantees
- Track milestone dates
- Provide comments
- Quick to complete
- Return by email in Excel format

**Green Light-Go Grant Program**  
**Grantee Quarterly Status Update Form**  
 Pennsylvania Department of Transportation

Q2 2019 Status Report Due: August 31, 2019

**Section 1: Project Information**  
 Auto-populated from GLG program files.

1a. Project Name	City of Lancaster Controller Upgrades		
1b. Grantee Name	Lancaster City (36301)	1c. PennDOT ID#	2016-36301-01
1d. County	Lancaster	1e. Grant Amount \$	1,401,714.00
1f. PennDOT District	8	1g. Project Type	Local Grant (Pub 9)
1h. Grant Agreement #	2016GLG075	1i. Agreement Executed	October 24, 2017
1j. Last Status Report	6/14/2019		

**Section 2: Grant Reimbursement Status**  
 Auto-populated from GLG program files. Shows the amount of grant funding you have drawdown to date, if applicable.

2a. Cost Share		Grantee Local Share	
PennDOT Share	73.03%		26.97%
2b. Expenditures to Date		HennLUU	Grantee
Expenditures per Requests for Reimbursement	Total Cost to Date	Grant Disbursement	Local Share
	\$ 74,664.47	\$54,527.46	\$20,137.01
Remaining Grant Amount to Drawdown	\$ 1,347,186.54		

2c. Project Activities Completion Deadlines

Activity	Completion of Construction	Submission of Final Invoice to
Deadline	May 15, 2020	PennDOT Agreement Expiration
		May 31, 2020 September 30, 2020

**Section 3: Project Status Report**  
 Please answer the following questions to provide an accurate update on your project. Please also specify if the information provided is actual or estimated in accordance with the project schedule.

Brief Description of Project Activities since last report

**Project Schedule**

Milestone Date	Estimated or Actual (pick from list)
Consultant Selection Date	Monday, September 11, 2017
Design/Engineering Approval Date	Wednesday, August 28, 2019
Construction Bid Opening Date	Wednesday, October 02, 2019
Contract Award Date	Friday, November 15, 2019
Construction Completion Date	

**Preliminary Engineering/Final Design Information**

Design Consultant Selection	Pub 9
Consultant Firm (if applicable)	Baker International

**Section 4: Submission**

Name of Grantee Representative (Typed)	Date Completed

# GLG Year 5 Update

- New application requirements
  - Pre-application scoping form review by Districts
  - Enter data in TSAMS to justify request for upgrade/replacement (varies based on project type)
    - Installation date
    - Component type
    - Manufacturer & model
    - Traffic signal systems (connections between signals and type)
    - Latest permit revision date
- Application period open 10/15/18 to 1/11/19
- 115 applications submitted requesting \$57.36 million in grant funding

# PennDOT Project Element

# PennDOT Project Element Overview

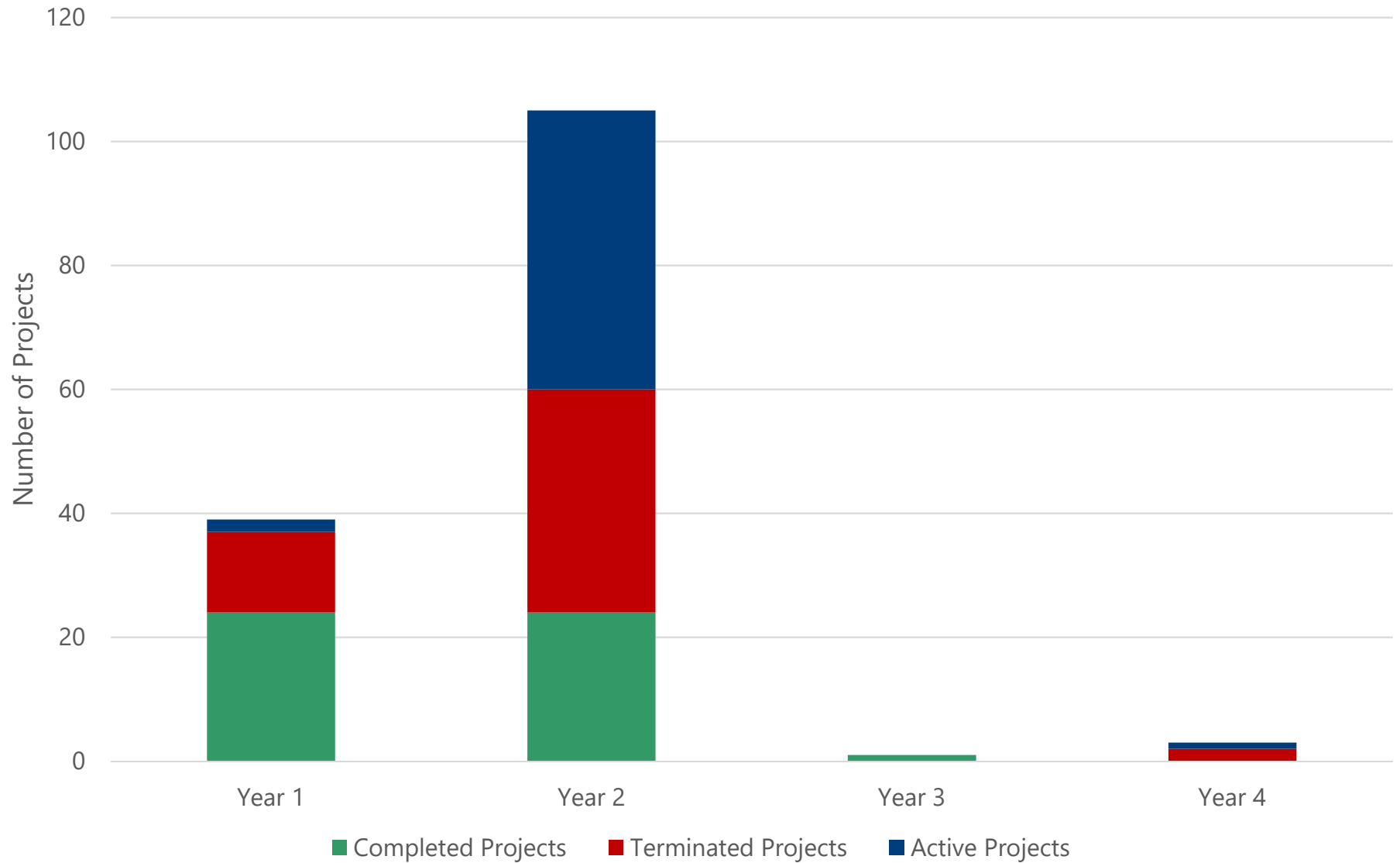
- Developed based on legal interpretation of original Act 89 language
  - Locally managed grants could only be used for designated corridors (<10,000 AADT)
  - PennDOT Project Element applied to Critical Corridors
- Administered as PennDOT projects
  - Follows standard PennDOT design process
  - All clearances required (environmental, right-of-way, utility)
  - Bid through ECMS
- PennDOT invoices municipality for matching funds at conclusion of project
- Mostly eliminated with Act 101 of 2016

# PennDOT Project Element

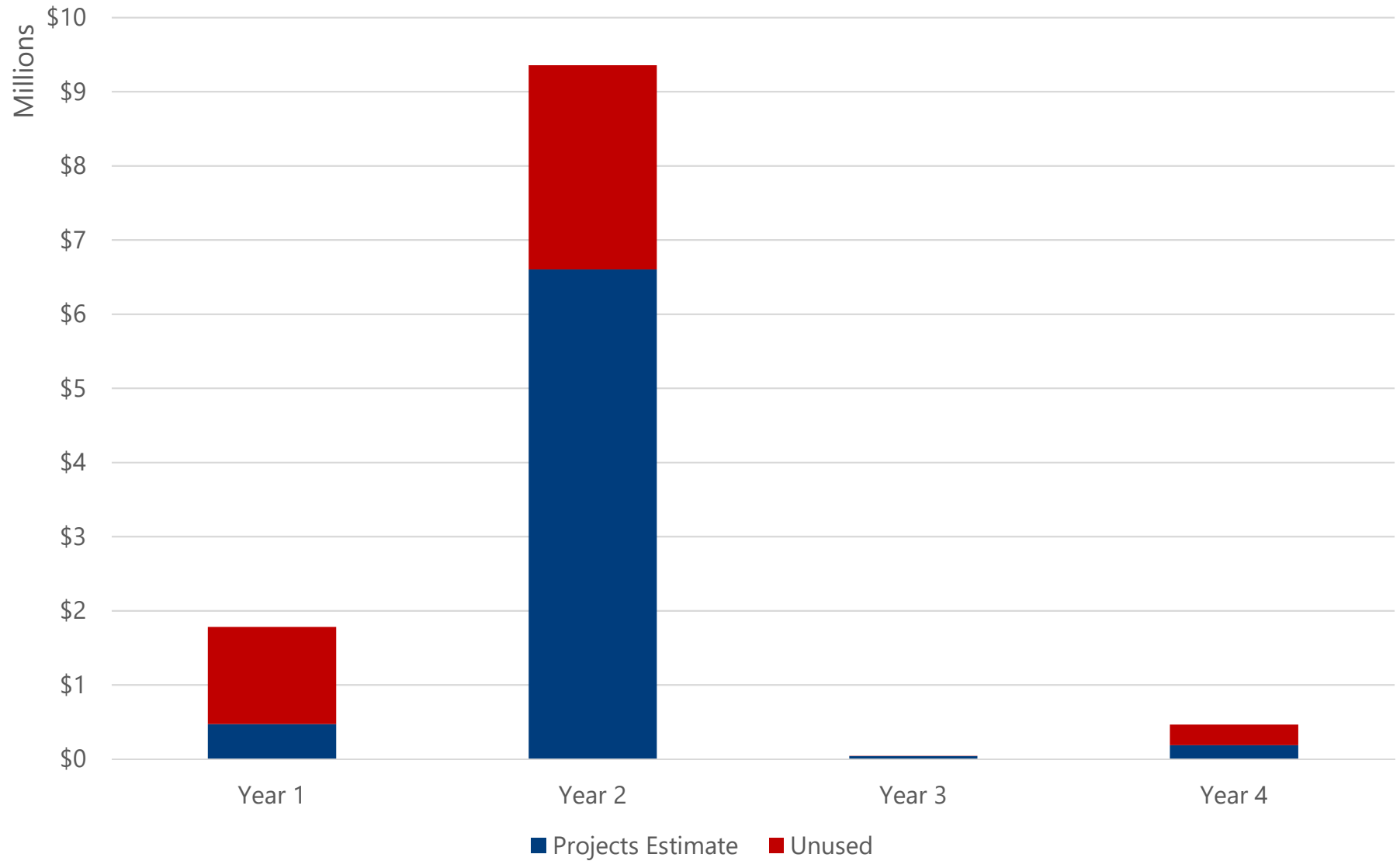
Funding Cycle	Year 1	Year 2	Year 3	Year 4
<b>Awarded Projects</b>	39	104	1	3
<b>Completed Projects</b>	24	24	1	0
<b>Terminated Projects</b>	13	36	0	2
<b>Active Projects</b>	2	45	0	1
<b>Total Award Amount</b>	\$1,781,856.26	\$9,355,688.52	\$42,240.00	\$462,972.00
<b>Unused Funds<sup>1</sup></b>	\$1,310,866.43	\$2,752,553.56	\$2,180.55	\$275,472.00

<sup>1</sup>Unused funds include projects that were terminated or completed for less cost than the application estimate.

# PennDOT Project Element Status



# PennDOT Project Element Status



# PennDOT Management Element

# TSAMS



TSAMS

## Traffic Signal Asset Management System

**WELCOME** to PennDOT's Traffic Signal Asset Management System (TSAMS).

TSAMS is a web-based application for managing...

- Signal and Non-Signal Asset Inventories
  - Traffic Signals
  - Emergency Traffic Signals
  - Electronic Signs
  - Flashing Warning Devices
  - In-Roadway Warning Lights
  - Intersection Control Beacons
  - Ramp Meters
  - Rectangular Rapid Flashing Beacons
  - Roundabouts
  - School Zone Speed Limit Signs
- GIS Integration
- Maintenance Activity Tracking
- Signal and Non-Signal Systems Identification
- Approved Products Database
- Reporting & Advance Search



It is available **FREE** of cost to all stakeholders. If you are a new user click [here](#) for information on how to obtain access to **TSAMS**.

## Login

- Registered TSAMS users

User ID

Password

**LOGIN**

[Forgot Your Password?](#)

- Returning Guest
- First Time Guest

## Quick Links

[Traffic Signal Portal](#)  
[PennDOT Publications](#)  
[Traffic Engineering Forms \(TE-Forms\)](#)  
[S11PA](#)  
[Engineering and Construction Management System \(ECMS\)](#)  
[ePermitting System \(EPS\)](#)

- Data collection for 8641 traffic signals on state roads funded through FY14/15 GLG appropriation

# Department-Managed Traffic Signals

- Added to Title 74 by Act 101 (2016)
- PennDOT may own, install, replace, synchronize, time, operate or maintain a traffic signal and all associated signs and markings included on a department-approved traffic signal plan within a municipality
- PennDOT must publish location of signal or critical corridor in the *Pennsylvania Bulletin*
- Municipality shall enact any ordinances and enter into any agreements necessary to complete the transfer or all rights and duties to department-managed traffic signals

# Special Pilot Program

- Added to Title 74 by Act 101 (2016)
- PennDOT shall develop a pilot program for department-managed traffic signals to implement one or more critical corridors at the department's discretion
- Secretary shall certify in *Pennsylvania Bulletin* by January 1, 2022
  - Pilot program has ended
  - Indicate whether pilot program has been successful
  - If successful, PennDOT may maintain and expand the department management of traffic signals
- I-76 Integrated Corridor Management is pilot

Thank you

**Steve Gault, P.E., PTOE**

Statewide Traffic Signal Operations Engineer  
Pennsylvania Department of Transportation

717.787.6988

[sgault@pa.gov](mailto:sgault@pa.gov)    [GLG@pa.gov](mailto:GLG@pa.gov)

[www.dot.state.pa.us/signals](http://www.dot.state.pa.us/signals)

