

# Queens Chapter

New York State Society of Professional Engineers

## The Drawingboard

April 2015

Volume 15, Number 4

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Editor/Publisher  
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[www.nspequeens.org](http://www.nspequeens.org)

### President's Message

George Tavoulareas, P.E.  
President [gltp@msn.com](mailto:gltp@msn.com)

In last month's newsletter I discussed the alleged fraudulent activity by insurance companies, unlicensed engineers, engineering firms and others against Hurricane Sandy victims who were cheated out of millions of dollars in denied/reduced flood insurance claims. Engineers and engineering firms were hired by insurance companies to assess the physical condition of these damaged homes were not licensed to practice engineering in NY state. Engineering assessment reports were altered to benefit insurance companies and smaller insurance payouts were then made to the homeowners. Due to public and political pressure, FEMA has now agreed to open and review every insurance claim filed by homeowners affected by Hurricane Sandy amid accusations that damaged assessment reports were fraudulently altered by unlicensed engineers.

**Louise Doyle, P.E., F.NSPE** passed away April 5, 2015 after battling cancer for several years. Louise was not only a very active member of the National Society of Professional Engineers (NSPE), past NYSSPE President, and active local member for years, but she is also a well-respected engineer across the country. Louise was also very active in The Practicing Institute of Engineering Education (PIE) and The Foundation for Engineering Education (FEE). We will all miss Louise. May her memory be eternal.

### Next General Membership Meeting

The next general membership meeting will be held on Thursday April 23, 2015 at 6:15pm. at 422 Weaver Ave in Ft. Totten, NY

The admission fee is \$20 for members and \$30 for non members.

6:15-7:00pm      buffet dinner

### Immediate Past Presidents

Chris Petallides, P.E.	2008/2010 2004/2005 1998/2000 (718) 961-4342
Brian Flynn P.E.	2006/2008 (718) 707-0416
John Zurita, P.E.	2002/2003 (718) 756-0320
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### Directors 2008-2010

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Xenophon Cavaris, P.E.	(516) 752-1687
Peter Boudouvas, P.E.	(212) 594-4340
Robert Weiner, P.E.	

7:00-7:30pm general membership meeting

7:30-8:30pm Ryan Scall and Kevin Mahoney of Premium Technical Services will discuss helical pile uses design and installation.

## Presentation Outline

Premium Technical Services has been serving the North East for over 32 years with foundation products and consulting services. Over the years we have assisted many engineers, architects, and contractors with numerous commercial, residential, and industrial projects in both tension and compression applications utilizing helical piles. This presentation aims to provide engineers and architects with the knowledge to safely and effectively use helical piles in the design of various structures. Topics to be covered include the history of helical piles, helical pile types, specialty applications, and the specifications, design, and capacities of helical piles.

## Super Saturday STEM Expo

*Moshe Crone*  
*Logistics Coordinator*  
[917.733.9816](tel:917.733.9816)

### Hello!

The **SUPER SATURDAY STEM EXPO** will take place on **SATURDAY, MAY 16** at the **Harlem Armory**. We invite your organization to participate as an exhibitor this year. See the attached FAQ sheet for exhibitors and [fill out the commitment form](#) to reserve your space here (submit no later than April 16).

Any hands on demonstrations for our students would be AMAZING and take our event to the next level for our children and community.

The Super Saturday STEM Expo is a free, family event featuring 100+ hands-on Science, Technology, Engineering and Math (STEM) exhibits in the 50,000 square foot Harlem Armory. Public school students (Pre K - Grade 12) and professionals exhibit together in a unique event that showcases STEM knowledge of Harlem students and renowned organizations around the city. The 2015 expo is produced by **Manhattan's Community School District 5**, with support from Harlem Children's Zone and Abyssinian Development Corporation. This will be the 8th Super Saturday event to take place in Harlem since 2008. Watch [the video](#) and see [the photo gallery](#). Visit [www.supersaturdaySTEMexpo.org](http://www.supersaturdaySTEMexpo.org) for updates on this year's event.

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## *Educating Tomorrow's Engineers Act*

*Arielle Eiser, Senior Manager  
NSPE Government Relations*

On February 10, 2015, Representative Paul Tonko (NY-20) with lead cosponsors Representative David McKinley, P.E. (WV-1) and Representative Joe Kennedy (MA-4) introduced the Educating Tomorrow's Engineers Act. This bipartisan legislation, H.R. 823, which emphasizes the importance of the E in STEM, consists of four main components. If enacted H.R. 823 would:

1. Ensure that states have the ability to integrate engineering design skills and practices into their existing science standards - without requiring states to establish a separate set of standards specifically for engineering.
2. Allow states to award grants to support professional development and instructional materials for STEM education.
3. Give states critically needed flexibility to support engineering curricula by expanding a number of existing Elementary and Secondary Education Act grant programs to include engineering education.
4. Expand current math and science research to include engineering education.

The Educating Tomorrow's Engineers Act aims to increase student achievement and interest in engineering and to align K-12 curricula with the skills needed in the 21st century workforce. To this end, H.R. 823 removes barriers at the federal level that prevent schools from expanding math and science curricula to include engineering design skills.

This legislation does not create any new duplicative STEM programs. It simply gives states that wish to expand engineering education the tools they need to do so.

Contact your Congressperson to urge them to cosponsor H.R. 823, the Educating Tomorrow's Engineers Act, today!

Click the link below to log in and send your message:

<https://www.votervoice.net/BroadcastLinks/TnWbHneDGwd8sPvVziTyTA>

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## Energy Code Enforcement

*Marissa Vaish, RA  
Renewable Energy Consultant*

We are developing a New York State Energy Code Enforcement Manual for NYSERDA, which will be made available to code jurisdictions statewide as a reference guide for their energy code enforcement practices. We are organizing a volunteer Technical Advisory Group of Energy Code and Code Enforcement subject matter experts to provide input on and advise the development of the Manual. The group is expected to convene in May, 2015 and have periodic involvement through December, 2016. This is a unique opportunity to have input into the energy code enforcement process in New York State.

We would appreciate if New York State Society of Professional Engineers – Queens Chapter would nominate potential participants, and distribute the attached ECEM TAG Application Form to your nominees. To be considered for the position, we require the nominees to submit their resume and application form by April 24, 2015 to: [NYSECE@vidaris.com](mailto:NYSECE@vidaris.com)

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## BUILDINGSNY

Rich Russo  
Industry Vice President  
[richrusso@buildingsny.com](mailto:richrusso@buildingsny.com)  
[203-840-5866](tel:203-840-5866)

Get your **FREE ticket** to attend **BulidingsNY**, April 28 – 29 at the Javits Center in NYC? Register today and you will be entered for a chance to win tickets to a Yankees game.

**[Click here and register for FREE.](#)**

BuildingsNY is the event to see everything you need to SAVE MONEY on your building with more new exhibitors, products, and education than ever before. Don't miss:

- The newest products and services from over 400 new and returning **exhibitors**
- **Two days of robust education** developed by key industry associations including: ABO, BOMA/NY, CHIP, AIA, and NYARM
- Even more Show Specials and deals offered exclusively to BuildingsNY attendees
- PLUS free bagels & lox cream cheese spread each morning. Sponsored by **United Metro Energy Corp.**

Please join me in New York at the Javits this April 28-29 for BuildingsNY. If I can assist you in any way please call me at [203-840-5866](tel:203-840-5866) or send me an email at [richrusso@buildingsny.com](mailto:richrusso@buildingsny.com).

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## NYC Rules Update

**Proposed Rules Governing the City of New York can be viewed at:**

**<http://www.nyc.gov/html/nycrules/html/proposed/proposed.shtml>**

Please email me your comments regarding any of the rules.

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## *Link of the Month*

[http://www.salemnews.com/news/local\\_news/ipswich-s-choate-bridge-honored-as-civil-engineering-landmark/article\\_fa668c6c-c915-5df2-9061-1ef6617578d1.html](http://www.salemnews.com/news/local_news/ipswich-s-choate-bridge-honored-as-civil-engineering-landmark/article_fa668c6c-c915-5df2-9061-1ef6617578d1.html)

[http://www.stltoday.com/news/local/education/engineering-an-early-interest-in-stem/article\\_490c25a6-096c-5fae-bbf5-3972f37d9588.html](http://www.stltoday.com/news/local/education/engineering-an-early-interest-in-stem/article_490c25a6-096c-5fae-bbf5-3972f37d9588.html)

<http://www.prnewswire.com/news-releases/2015-architecture--engineering-ae-market-outlook-survey-results-revealed-300061376.html>

<http://www.mcny.org/exhibition/saving-place>

<http://www.nytimes.com/2015/04/04/nyregion/east-village-gas-explosion-reveals-problems-in-citys-inspection-system.html>

<http://www.nytimes.com/2015/02/21/your-money/an-engineer-creates-for-fun-after-a-lifetime-of-workaday-rules.html>

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## Proposed Bills

From: [JWilcox@council.nyc.gov](mailto:JWilcox@council.nyc.gov)

Sent: 4/17/2015 2:05:42 P.M. Eastern Daylight Time

Subj: Proposed Int. No. 13 and Proposed Int. No. 14.

Hello,

I have attached updated versions of Proposed Int. No. 13 and Proposed Int. No. 14. While these bills are still being reviewed, we are interested in gathering feedback. Please send any questions/comments you may have as soon as possible as we are hoping to age these bills on Monday.

Thank you,  
Jenn Wilcox

Jennifer Wilcox  
Legislative Attorney  
New York City Council  
250 Broadway, 14th floor  
New York, NY 10007  
[212.788.9070](tel:212.788.9070) (tel)  
[212.788.9112](tel:212.788.9112) (fax)

Proposed Int. No. 13-A

By Council Member Koslowitz, Chin, Constantinides, Koo, Levine, Palma, Rosenthal, Cohen, Lancman, Rodriguez, Torres, Johnson, Vallone, Reynoso, Kallos, Crowley, Arroyo, Levin and Van Bramer

A LOCAL LAW

To amend the administrative code of the city of New York, in relation to requiring the base building systems of certain buildings to be operated by or under the supervision individuals with a certificate in building energy efficiency from an approved program

Be it enacted by the Council as follows:

Section 1. Chapter 3 of title 28 of the administrative code of the city of New York is amended by adding a new article 317 to read as follows:

**ARTICLE 317**

**CERTIFICATE IN BUILDING ENERGY EFFICIENCY REQUIRED FOR OPERATION**

**OF BASE BUILDING SYSTEMS OF CERTAIN BUILDINGS**

**§ 28-317.1 Definitions.** As used in this article, the following terms shall have the following meanings:

**BASE BUILDING SYSTEMS.** Shall have the same definition as set forth in section 28-308.1 of this code.

**BUILDING ENERGY EFFICIENCY TRAINING (BEET) CERTIFICATE.** A certificate that satisfies each of the following requirements:

1. The certificate is issued by a program that is approved by the department.

2. The certificate lists:

2.1. The name of the certificate holder;

2.2. A unique identification number for such holder;

2.3. The issuance date of such certificate; and

1        2.4. The expiration date of such certificate.

2        **Exception:** Certificates issued on or before the effective date of the local law that added  
3        this section need only satisfy the requirements of item 2.1 and either item 2.3 or 2.4.

4        3. If issued on or before January 1, 2020, the certificate is issued to an individual who  
5        successfully:

6        3.1. Completes at least 30 hours of training in the following topics:

7            3.1.1. At least 24 hours of training in energy efficiency strategies for the operation  
8            and maintenance of:

9            3.1.1.1. The building envelope;

10          3.1.1.2. Heating, ventilation, and air conditioning (HVAC) systems;

11          3.1.1.3. Electrical and lighting systems;

12          3.1.1.4. Domestic hot water systems;

13          3.1.1.5. Building automation systems;

14          3.1.2. At least 3 hours of training in energy benchmarking, including reading and  
15          understanding utility bills; and

16          3.1.3. At least 3 hours of training in planned and preventative maintenance strategies  
17          that building impact energy efficiency; or

18          3.2. Passes a practical or written examination that tests such individual's knowledge of  
19          the topics identified in item 3.1.

20        4. If issued after January 1, 2020, the certificate is issued to an individual who passes a  
21        practical or written examination that tests such individual's knowledge of the topics  
22        identified in item 3.1.

1        5. The certificate is required to be renewed at intervals no longer than five years.

2        6. Except as provided in item 8 and in addition to any other renewal methods, the certificate  
3            can be renewed through completion of six or more hours of continuing education courses  
4            covering topics identified in item 3.1 and that are approved by the program that issued  
5            such certificate.

6        7. The program issuing the certificate does not require that continuing education courses for  
7            certificate renewal be provided exclusively by a single provider.

8        8. The program issuing the certificate requires the certificate holder to successfully pass a  
9            practical or written examination that tests such individual's knowledge of the topics  
10          identified in item 3.1 by no later than the first renewal of such certificate that occurs after  
11          January 1, 2020.

12       9. The program issuing the certificate offers reasonable accommodations to individuals who  
13          identify as being unable to meaningfully communicate in English.

14  
15       **COVERED BUILDING.** As it appears in the records of the department of finance: (i) a  
16       building that exceeds 50,000 gross square feet (4645 m<sup>2</sup>), (ii) two or more buildings on the same  
17       tax lot that together exceed 100,000 gross square feet (9290 m<sup>2</sup>), or (iii) two or more buildings  
18       held in the condominium form of ownership that are governed by the same board of managers  
19       and that together exceed 100,000 gross square feet (9290 m<sup>2</sup>).

20       **Exception:** The term "covered building" shall not include real property classified as class  
21       one pursuant to subdivision one of section 1802 of the real property tax law of the state of  
22       New York.



1 **OPERATE.** To control the normal functioning of a base building system with responsibility for  
2 its energy use and/or energy consumption.

3 **SUPERVISION.** Responsible control exercised by the holder of an appropriate certificate from  
4 an approved program over individuals who operate the base building systems of a covered  
5 building. Such individuals responsible for the building operations may be in the direct employ of  
6 the owner or may be in the employ of the owner pursuant to the terms of a contract to provide  
7 such services.

8 **§ 28-317.2 Building energy efficiency training (BEET) certificate requirement for covered**  
9 **buildings.** An owner of a covered building shall comply with items 1 through 4 of this section.

- 10 1. The owner of a covered building shall ensure that the base building systems of such  
11 building are operated by or under the supervision of an individual who holds a current  
12 valid BEET certificate.

13 **Exceptions:**

- 14 1. A covered building that has received an EPA Energy Star certification for at least  
15 two of the three years preceding the filing of the compliance report required by  
16 item 4 of this section; provided that proof of such Energy Star certification shall  
17 be maintained at the building and provided to the department with the applicable  
18 compliance report.
- 19 2. The department may allow the new owner of a building additional time, not to  
20 exceed one year from the required compliance date set out in the department's  
21 rules, to achieve compliance with this article.

1        2. The required certificate holder must be on the staff of the covered building or be regularly  
2        involved in the day-to-day supervision of the base building operations at the covered  
3        building. Such certificate holder must be present at the building on a regular basis, but  
4        need not be present at all times while base building systems are in operation.

5        3. A copy of the required certificate holder's BEET certificate must be kept on file at the  
6        building and must be made available to the department upon the department's request.

7        4. The owner of a covered building must submit a report documenting compliance with this  
8        article at least once every three years.

9        4.1. Such report must be submitted in a manner and time set forth by the department,  
10       along with a fee as specified in the rules of the department.

11       4.2. Such report shall include, but shall not be limited to, the name of the required  
12       certificate holder, the unique identifier for such certificate holder as shown on such  
13       certificate holder's BEET certificate, the issuance date and the expiration date of such  
14       certificate, and the name and contact information of the program that issued such  
15       certificate.

16       4.3. The department shall promulgate a rule establishing a schedule for filing such reports  
17       for covered buildings.

18  
19       **§ 28-317.3 Advisory board.** By no later than 90 days after the effective date of this local law,  
20       the commissioner shall create an advisory board comprising, at a minimum, engineers, architects  
21       and representatives of the real estate industry, labor and environmental organizations. Such board  
22       shall provide advice and recommendations to the department relating to the approval of

1 programs for issuing BEET certificates. Such advice and recommendations shall be provided to  
2 the department by no later than November 1, 2015, and shall be provided thereafter either on  
3 such board's initiative or at the request of the commissioner.

4 **§ 28-317.4 Initial compliance dates.** Covered buildings shall comply with the applicable  
5 provisions of this section as follows:

6 1. Covered buildings exceeding 500,000 gross square feet (46 452 m<sup>2</sup>), as indicated in the  
7 records of the department of finance, shall be in compliance with this article no later than  
8 January 1, 2017 or, where the initial temporary certificate of occupancy for a new  
9 building of that size is issued after January 1, 2017, no later than the date of issuance of  
10 such temporary certificate of occupancy;

11 2. Covered buildings exceeding 130,000 gross square feet (12 077 m<sup>2</sup>) but not exceeding  
12 500,000 gross square feet (46 452 m<sup>2</sup>), as indicated in the records of the department of  
13 finance, shall be in compliance with this article no later than January 1, 2018 or, where  
14 the initial temporary certificate of occupancy for a new building of that size is issued  
15 after January 1, 2018, no later than the date of issuance of such temporary certificate of  
16 occupancy;

17 3. Covered buildings exceeding 75,000 gross square feet (6968 m<sup>2</sup>) but not exceeding  
18 130,000 gross square feet (12 077 m<sup>2</sup>), as indicated in the records of the department of  
19 finance, shall be in compliance with this article no later than January 1, 2019 or, where  
20 the initial temporary certificate of occupancy for a new building of that size is issued  
21 after January 1, 2019, no later than the date of issuance of such temporary certificate of  
22 occupancy; and

1     4. Covered buildings exceeding 50,000 gross square feet (4645 m<sup>2</sup>) but not exceeding  
2     75,000 gross square feet (6968 m<sup>2</sup>), as indicated in the records of the department of  
3     finance, shall be in compliance with this article no later than January 1, 2020 or, where  
4     the initial temporary certificate of occupancy for a new building of that size is issued  
5     after January 1, 2020, no later than the date of issuance of such temporary certificate of  
6     occupancy.

7     § 2. This local law shall take effect immediately.

LS 502  
Int. 1181-2013  
4/17/15 1149a

Proposed Int. No. 14-A

By Council Members Levin, Constantinides, Koo, Levine, Palma, Johnson, Mendez, Rosenthal, Arroyo, Lancman, Kallos, Rodriguez, Torres, Vallone, Reynoso, Koslowitz, Crowley, Chin, Van Bramer, Miller, Treyger, Garodnick, Rose, Lander, Richards, Vacca, Maisel, Cohen, Dromm, Gibson, Barron and Ferreras

A LOCAL LAW

To amend the New York city mechanical code, in relation to sizing heating systems and equipment

Be it enacted by the Council as follows:

Section 1. Article 103 of the administrative code of the city of New York is amended by adding a new section 28-103.25 to read as follows:

**§ 28-103.25 Heating systems and equipment sizing working group.** By no later than 90 days after the effective date of this local law, the commissioner shall create a working group to study and make recommendations to the department on standards for conducting field measurements for determining the appropriate size of heating systems and equipment.

**§ 28-103.25.1 Findings and recommendations.** Such working group shall report its findings and recommendations to the mayor, the commissioner and the speaker of the council by no later than February 1, 2016.

**§ 28-103.25.2 Membership.** Such working group shall comprise, at a minimum, engineers, architects, and representatives of the real estate industry and environmental organizations. The members of such working group shall be selected by the commissioner.

§ 2. Section 106.6 of the New York city mechanical code, as amended by local law number 141 for the year 2013, is amended to read as follows:

**106.6 Heating systems.** Construction documents for heating systems shall include the temperature to be maintained in every room, and the [output capacity in BTU per hour of the central heating source.] total required heating output capacity in Btu/h required by the spaces served by the heating system, as determined by load calculations performed in accordance with Section 312 and the New York City Energy Conservation Code. Construction documents shall indicate the procedure used to calculate heating loads in accordance with the New York City Energy Conservation Code, and shall show the results of peak heating load calculations, total design output of the heating system, and the total design output of the specified heating equipment relative to the total peak heat demand, at a minimum, in a format prescribed by the

1 department. Such calculations shall be based on peak temperature-driven heat loss through the  
2 building envelope, including the following:

- 3  
4 1. Thermal transmission through the building envelope, accounting for all exterior  
5 surfaces, thermal bridging of frames and mullions, exposed slab edges, parapets,  
6 balconies, concrete columns, steel members, and any other significant thermal  
7 connection between the conditioned space and the underground and above ground  
8 outdoor environment;
- 9  
10 2. Constant or permanent internal heat gains known to be present in the heated zone;  
11
- 12 3. Infiltration (accounting for leakage around all doors, windows, and other envelope  
13 penetrations, and for air barriers included in the design );  
14
- 15 4. Cold processes or equipment in the zone that absorbs heat;  
16
- 17 5. Psychrometric processes, including reheat, humidification, and air mixing;  
18
- 19 6. Heat transfer through piping and ductwork walls;  
20
- 21 7. Duct leakage;  
22
- 23 8. Outside air heating loads calculated for the particular system configuration and  
24 weather data (accounting for all specified mechanical ventilation calculated with the  
25 assumption that the windows are closed); and  
26
- 27 9. Inherent system inefficiencies such as damper leakage.  
28

#### 29 **Exceptions:**

- 30  
31 1. For steam distribution systems, peak temperature-driven heat loss may be calculated  
32 using equivalence of direct radiation (EDR) of the building's radiators, convectors,  
33 and fan-assisted heaters.  
34
- 35 2. Heating systems designed to modulate heating output continuously with a minimum  
36 of a five to one turn-down ratio or in at least four steps between 30 percent and 100  
37 percent (inclusive), with no part-load efficiency less than 80 percent of full-load  
38 efficiency shall not be required to provide calculations in accordance with this  
39 section, unless requested by the department.  
40
- 41 3. Oil-burning heating systems which incorporate a modulating aquastat and a time-  
42 delay relay.  
43

1       4. Steam systems designed with a variable pressure system shall not be required to  
2       provide calculations in accordance with this section, unless requested by the  
3       department.

4  
5  
6       5. System replacement where the output capacity is based on field measurements of  
7       actual system heating output operation over time conducted in accordance with an  
8       industry standard, or a standard recommended by the working group established  
9       under section 28-103.25 of the Administrative Code, approved by the department.

10  
11       § 3. Section 312 of the New York city mechanical code, as amended by local law number

12       141 for the year 2013, is amended to read as follows:

13       **SECTION MC 312**

14       **HEATING AND COOLING LOAD CALCULATIONS**

15  
16       **312.1 Load calculations.** Heating and cooling system design loads for the purpose of sizing  
17       systems, appliances and equipment shall be determined in accordance with the procedures  
18       described in the ASHRAE Handbook of Fundamentals and the New York City Energy  
19       Conservation Code. Design loads for commercial buildings, as defined by the New York City  
20       Energy Conservation Code, shall be determined in accordance with the New York City Energy  
21       Conservation Code. Design loads for residential buildings, as defined by the New York City  
22       Energy Conservation Code, shall be determined in accordance with the New York City Energy  
23       Conservation Code or the ASHRAE Handbook of Fundamentals. Heating and cooling loads  
24       shall be adjusted to account for load reductions that are achieved when energy recovery systems  
25       are utilized in the HVAC system in accordance with the ASHRAE Handbook - HVAC Systems  
26       and Equipment. [Alternatively, design loads shall be determined by an approved equivalent  
27       computation procedure, using the design parameters specified in Chapter 3 of the *Energy*  
28       *Conservation Construction Code of New York State.*] Heating and cooling system design loads  
29       for the purpose of sizing systems, appliances and equipment shall also comply with the  
30       requirements of Section 1204 of the *New York City Building Code*.

31  
32       **312.2 Equipment sizing.** Heating, cooling, and ventilation system equipment shall be sized in  
33       accordance with the New York City Energy Conservation Code.

34  
35       § 4. This local law takes effect immediately after it becomes law, except that (A) sections

36       2 and 3 take effect August 1, 2016, (B) this local law shall not apply to construction work related

37       to applications for construction document approval filed prior to August 1, 2016, and (C) the

- 1 commissioner of buildings may take such measures as are necessary for its implementation,
- 2 including the promulgation of rules, prior to such effective date.

JCH/JW  
LS # 97  
4/15/2015 11:14AM



PRESENTED BY: COMMUNITY SCHOOL DISTRICT 5,  
HARLEM CHILDREN'S ZONE & ABYSSINIAN DEVELOPMENT CORPORATION

**ALL  
FREE!**

ANNUAL

# **SUPER SATURDAY!**

SCIENCE, TECHNOLOGY, ENGINEERING  
& MATH EXPO

STUDENTS OF  
**ALL  
AGES**

**SAVE  
THE  
DATE!**

**RAFFLE  
PRIZES!**



**100+ HANDS-ON  
ACTIVITY BOOTHS**



**INTERACTIVE DEMOS  
& DISSECTIONS**



**NEW TECHNOLOGY**



**ROBOTICS DEMO  
& COMPETITION**



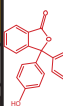
**HOUR OF CODE**



**CHESS TOURNAMENT  
& MATH COMPETITION**

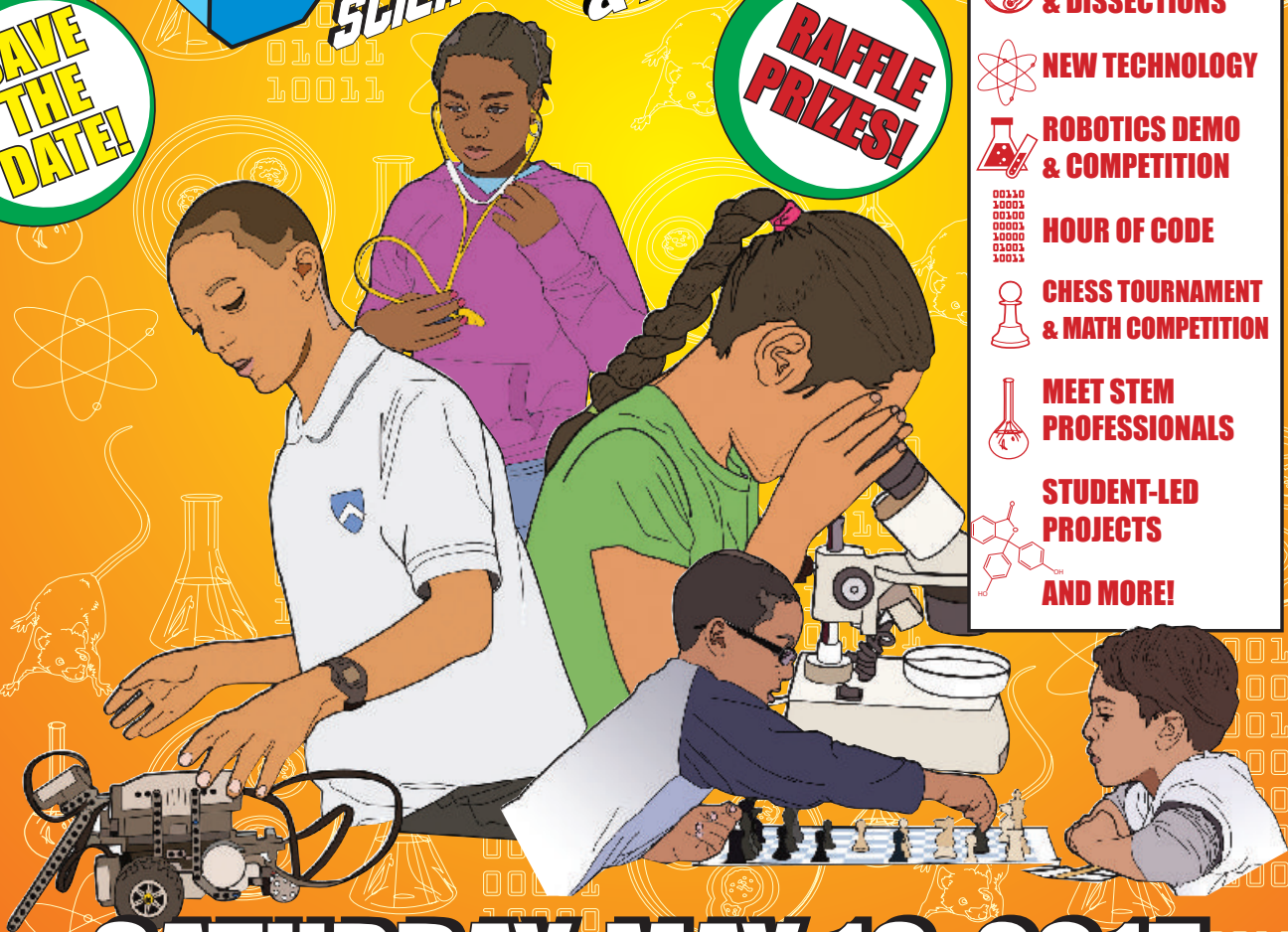


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# New York State Energy Code Enforcement Manual

## Technical Advisory Group Member Application

Vidaris is organizing a volunteer Technical Advisory Group of subject matter experts who will provide input regarding the needs of the Code Enforcement community and advise on the development of the NYS Energy Code Enforcement Manual. The group is expected to convene in May, 2015 and have periodic involvement through December, 2016. **To be considered for the position, submit your resume and this form by April 24, 2015 to: [NYSECE@vidaris.com](mailto:NYSECE@vidaris.com)**

Name	Click here to enter text.
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Affiliation	(check all that apply)
<input type="checkbox"/> New York Department of State	<input type="checkbox"/> American Institute of Architects (AIA)
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<input type="checkbox"/> Code Enforcement Official	<input type="checkbox"/> Architect
<input type="checkbox"/> Municipal Leader	<input type="checkbox"/> Other (please describe): Click here to enter text.
	<input type="checkbox"/> ASHRAE
	<input type="checkbox"/> New York State Society of Professional Engineers (NYSSPE)
	<input type="checkbox"/> American Council of Engineering Companies (ACEC)
	<input type="checkbox"/> Engineer

Identify your experience with the following climate zones and building types:

	Commercial				Institutional		
	Large Office >50,000 SF > 3 stories	Medium Office 50,000 SF – 5,000 SF <3 stories	Small Office <5,000 SF 1 story	Standalone Retail + Strip Mall	Primary School	Secondary School	Hospital and/or Healthcare
4A – eg: New York City	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5A – eg: Albany	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6A – eg: Binghamton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Hospitality			Residential		
	Small Hotel <75 rooms <5 stories	Large Hotel >75 rooms >5 stories	Restaurant	High-rise Residential >35,000 SF >5 stories	Mid-rise Residential <35,000 SF <5 stories	Low-rise Residential <10,000 SF <3 stories
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I have experience with the following:

Envelope	HVAC		Lighting
<input type="checkbox"/> Steel frame walls	<input type="checkbox"/> Commissioning	<input type="checkbox"/> Kitchen exhaust	<input type="checkbox"/> Daylight responsive controls
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<input type="checkbox"/> Metal buildings	<input type="checkbox"/> Water cooled	<input type="checkbox"/> Chilled beams	<input type="checkbox"/> Exterior
<input type="checkbox"/> Attics	<input type="checkbox"/> PTAC/PTHP	<input type="checkbox"/> Refrigeration	<input type="checkbox"/> Facade
<input type="checkbox"/> Flat roofs	<input type="checkbox"/> WLHP	<input type="checkbox"/> Computer room AC	<input type="checkbox"/> Controls
<input type="checkbox"/> Metal frame windows	<input type="checkbox"/> Geothermal HP	<input type="checkbox"/> Economizer	<input type="checkbox"/> RCR
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<input type="checkbox"/> Storefront systems	<input type="checkbox"/> Cooling towers	<input type="checkbox"/> Air-side	<input type="checkbox"/> Space by Space Method
<input type="checkbox"/> Skylights	<input type="checkbox"/> Boilers	<input type="checkbox"/> Energy recovery -air	<input type="checkbox"/> Efficacy
	<input type="checkbox"/> Radiant heating	<input type="checkbox"/> Energy recovery -service HW	<input type="checkbox"/> Track lighting
			<input type="checkbox"/> Low-voltage lighting
			<input type="checkbox"/> Transformer lighting

Select preference/availability for participation:

- ☐ In-person meetings in New York City
 ☐ In-person meetings in Albany
 ☐ Web-based conferences
 ☐ Teleconferences

Energy Code and Code Enforcement experience:

Click here to enter text.

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