



# NEW YORK GEOTHERMAL WORKSHOP

## HEATING AND COOLING

### GROUND SOURCE HEATING & COOLING FOR BUSINESS, COMMERCIAL AND MULTIPLE OCCUPANCY PROPERTIES

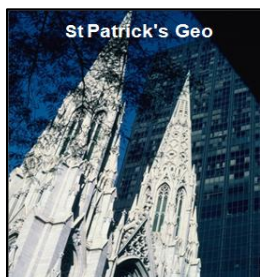


Latest Technologies, Economic Advantages, Environmental Impacts and Regulations  
 Geothermal Education Program – Manhattan, NYC

## USING THE EARTH'S RENEWABLE ENERGY

Wednesday September 9<sup>th</sup>, 2015 (8:15 – 4:30)  
 MTA New York City Transit (Room D2.10)  
 2 Broadway, Manhattan, NY 10004

An American Ground Water Trust Program  
 Organized in cooperation with Long Island GEO



***“Geothermal heat pump systems are the most energy efficient, environmentally friendly, clean and cost-effective space conditioning systems”***  
 US Environmental Protection Agency

#### CONTINUING EDUCATION CREDIT

ARCHITECT CREDITS – 7.25 LUS (FOR HSW) COURSE GS1405-K AND  
 NY ENGINEER – 7.25 – COURSE GS1405-K  
 BOTH THRU AMERICAN INST. OF ARCHITECTS (PROVIDER #G521)  
 IGSHPA ACCREDITED INSTALLERS – 0.75 CEU'S

Workshop Convened by: **American Ground Water Trust**, a 501(c)(3) Education Organization

## PROGRAM SCHEDULE

### 7:30 REGISTRATION

8:15

Thomas Abdallah, Chief, Environmental Engineering, MTA New York City Transit, NY  
Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

#### **WELCOME & INTRODUCTION**

8:30

Jack DiEnna, Executive Director, Geothermal National & International Initiative, Washington, DC

#### **GEOTHERMAL HEAT PUMP TECHNOLOGY.... NO LONGER A "NICHE" MARKET IN NY**

9:15

Samara Swanston, Legislative Attorney, NYC Council Infrastructure Division, Committee on Environmental Protection, New York, NY

#### **NEW YORK CITY COUNCIL INITIATIVES TO PROMOTE GEOTHERMAL INSTALLATION**

9:30

Donovan Gordon, Executive Director, Long Island Long Island Geothermal Energy Organization, Bohemia, NY

#### **LEGISLATION AND INCENTIVES FOR INSTALLING GEOTHERMAL HEATING AND COOLING SYSTEMS IN NEW YORK.**

### 10:00 BREAK

10:15

Alex Posner, Project Director, Office of Sustainable Design, NYC Department of Design and Construction, Long Island City, NY

#### **THE APPLICATION OF GEOTHERMAL TECHNOLOGY FOR CITY OF NEW YORK BUILDING PROJECTS**

11:00

John Rhyner, Director of Sustainable Energy, P.W. Grosser Consulting, Bohemia, NY

#### **STATUS OF GEOTHERMAL PROJECTS IN DESIGN AND CONSTRUCTION IN THE FIVE BOROUGHS**

11:45

Tim Kreukniet, Energy Transition New York, New York, NY

#### **OVER 2,000 AQUIFER THERMAL ENERGY STORAGE INSTALLATIONS IN THE NETHERLANDS: AN ASSESSMENT OF ATEs POTENTIAL FOR NEW YORK AND US MARKETS**

### 12:30 LUNCH

1:20

John Joshi, Director of Financial Solutions, New York State Energy Research & Development Authority (NYSERDA) Albany, NY

#### **GEOTHERMAL: INNOVATIVE FINANCIAL STRUCTURES AND FEDERAL RENEWABLES FINANCING PROGRAMS.**

2:05

Steve Beyers, Energy & Environmental Engineering Section Leader, Cornell Facilities Engineering, Ithaca, NY

#### **DEVELOPMENT OF GEOTHERMAL FOR CORNELL TECH CAMPUS, ROOSEVELT ISLAND, EAST RIVER, NEW YORK CITY**

### 2:50 BREAK

3:00

Jeff Quinn, Field Representative, Baroid IDP, Houston, TX

#### **OVERCOMING THE CHALLENGES OF DRILLING GEOTHERMAL BORES IN URBAN AREAS**

3:45

Bob Wyman, Geothermal Consultant, New York, NY

#### **FACTORS FOR EVALUATING HEATING ALTERNATIVES IN NEW YORK STATE**

### 4:30 ADJOURN

## SPONSORS of American Ground Water Trust 2015 Geothermal Workshops



Preferred Pump



In cooperation with the International Ground Source Heat Pump Association



### AMERICAN GROUND WATER TRUST

The AGWT was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in groundwater issues. The AGWT's conference and workshop programs and educational materials:

- ◆ Communicate the environmental and economic value of groundwater
- ◆ Showcase ground water science and technology solutions
- ◆ Increase citizen, community and decision-maker awareness
- ◆ Facilitate stakeholder participation in water resource decisions
- ◆ Promote efficient and effective groundwater management

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