NEW ENGLAND GEOTHERMAL WORKSHOP
HEATING AND COOLING

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

NEGPA
New England Geothermal Professional Association

In partnership with:
New England Geothermal Professional Association

Wednesday, December 9th, 2015 - 8:00am to 4:30pm
Taco Innovation and Development Center
Taco, Inc., 1160 Cranston Street, Cranston, Rhode Island 02920

CONTINUING EDUCATION CREDIT
ARCHITECT CREDITS – 7.25 LUS (FOR HSW) COURSE GS1405-M
THRU AMERICAN INST. OF ARCHITECTS (PROVIDER #G521)
IGSHPA ACCREDITED INSTALLERS – 0.75 CEU’S

SPONSORS of this American Ground Water Trust Geothermal Workshop

In cooperation with International Ground Source Heat Pump Association
PROGRAM AND PRESENTERS

7:00 – 8:00
REGISTRATION (Coffee & donuts)

8:00 – 8:15
THE ROLE OF EDUCATION IN PROMOTING GEOTHERMAL TECHNOLOGY
Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

8:15 – 8:55
UPDATE ON GEOTHERMAL REGULATORY ISSUES, INCENTIVES AND TAX BREAKS IN NEW ENGLAND
Martin Orio, V.P. Business Development, Water Energy, Hampstead, NH

8:55 - 9:35
GROUND SOURCE HEATING AND COOLING: HOW IT WORKS AND BASIC DESIGN CONFIGURATIONS
Chuck Hammock PE, Principal, Andrews, Hammock & Powell, Inc, Macon, GA

9:35 – 10:15
GEOTHERMAL UTILITIES; DISTRICT GEOTHERMAL SYSTEMS; DISTRICT GEOTHERMAL PLANTS
Jay Egg, CMC, President, Egg Geothermal, Tampa, FL

10:15 – 10:30 BREAK

10:30 – 11:10
GET THE OUTSIDE WORK RIGHT! GEOEXCHANGE BORE CONSTRUCTION AND LOOP INSTALLATION
Jeff Quinn, Account/ Field Representative, Baroid IDP, Nottingham, NH

11:10 – 11:50
BENEFITS OF BENEFITS OF COMBINING GEOTHERMAL WITH CHILLED BEAM SYSTEMS
Greg Cunniff, Taco Applications Engineer, Taco Inc., Cranston, RI.

11:50 - 12:30
GAME CHANGING GEOTHERMAL INNOVATIONS:
BOREHOLE THERMAL ENERGY STORAGE, AQUIFER THERMAL ENERGY STORAGE AND DISTRIBUTED TEMPERATURE SENSING BY UNDERGROUND FIBER OPTIC CABLE
Chuck Hammock PE, Partner, Andrews, Hammock & Powell, Inc., Macon, GA

12:30 – 1:15 LUNCH

1:15 – 2:00
TOUR OF TACO’S FACTORY AND HVAC INSTALLATION EXHIBITS
Richard Medairos PE, Director of Engineered Products & Systems Training, Taco, Cranston, RI.

2:00 – 2:45
HEAT TRANSFER EFFICIENCY OF THERMALLY ENHANCED HDPE PIPE FOR GEOTHERMAL
Stephane Gonthier, President, Versaprofiles, Saint-Lazare de Bellechasse, Quebec, Canada

2:45 – 3:00 BREAK

3:00 – 3:40
GEOTHERMAL FOR NET ZERO MULTI-FAMILY AFFORDABLE HOUSING
Jim Moran, President, Advanced Energy Group, Ann Arbor, MI

3:40 – 4:20
INTEGRATING VRF WITH GEOTHERMAL CLOSED LOOP SYSTEMS
Greg Hosselbarth, CEM, LEED AP BD+C, Commercial Regional Manager, Mitsubishi Electric HVAC

4:20 – 4:30
ROUND-UP OF WORKSHOP PRESENTATIONS AND Q & A