

# Thermal Distribution Workshop

Session 1: Trends, Opportunities and Challenges in Thermal Distribution



**CampusEnergy2020**

**THE POWER TO CHANGE**

FEBRUARY 10-14 ▲ SHERATON DENVER DOWNTOWN ▲ DENVER, CO

# Welcome and Introduction

## Steam Moderators:

- ▶ Pat Davin: Violaia
- ▶ Ed Conway: ConEdison

## Chilled/Hot Water Moderators:

- ▶ James Rosner: University of Denver
- ▶ Michael Schorsch: Lansing Board of Water and Light



# Welcome to Denver and University of Denver System Profile

- ▶ Founded in 1864 as Colorado Seminary in the Colorado Territory
- ▶ 3.8 million square feet over 125 acres in the City of Denver
- ▶ 11,500 students (5,000 undergrad/6,000 graduate)
- ▶ 3,800 faculty/staff
- ▶ Campus is a Working Arboretum
- ▶ Great Private University dedicated to the Public Good
- ▶ 18 of 88 Buildings on Central Plant (Sturm Hall)
  - ▶ Steam for heating/hot water at only 15 psi
  - ▶ Chilled water capacity: 2,000 tons
- ▶ DU IDEA Member since: 2016, James since 2012



Engineering/Computer Science: 2017



University Hall: 1864

# Getting to Know Each Other

- ▶ Ken Vergo, *Colorado State University*
  - ▶ Paul Razo, Detroit Thermal
  - ▶ Melissa Seedorf, University of Michigan
  - ▶ Sean McFarling or Michael Ahern, Evergreen Energy
  - ▶ Chris Busch/Jeff Fisher, University of Colorado
  - ▶ Robert Slavik, Colorado School of Mines
- ▶ Introduction:
    - ▶ Name
    - ▶ Organization
    - ▶ # people attending
  - ▶ Overview of your utility: Steam/HW/CW Producers, distributor, micro-grid, campus/muni
  - ▶ Years Membership in IDEA
  - ▶ What do you find most beneficial about the workshop?
  - ▶ What are you hoping learn/get out of the conference?

