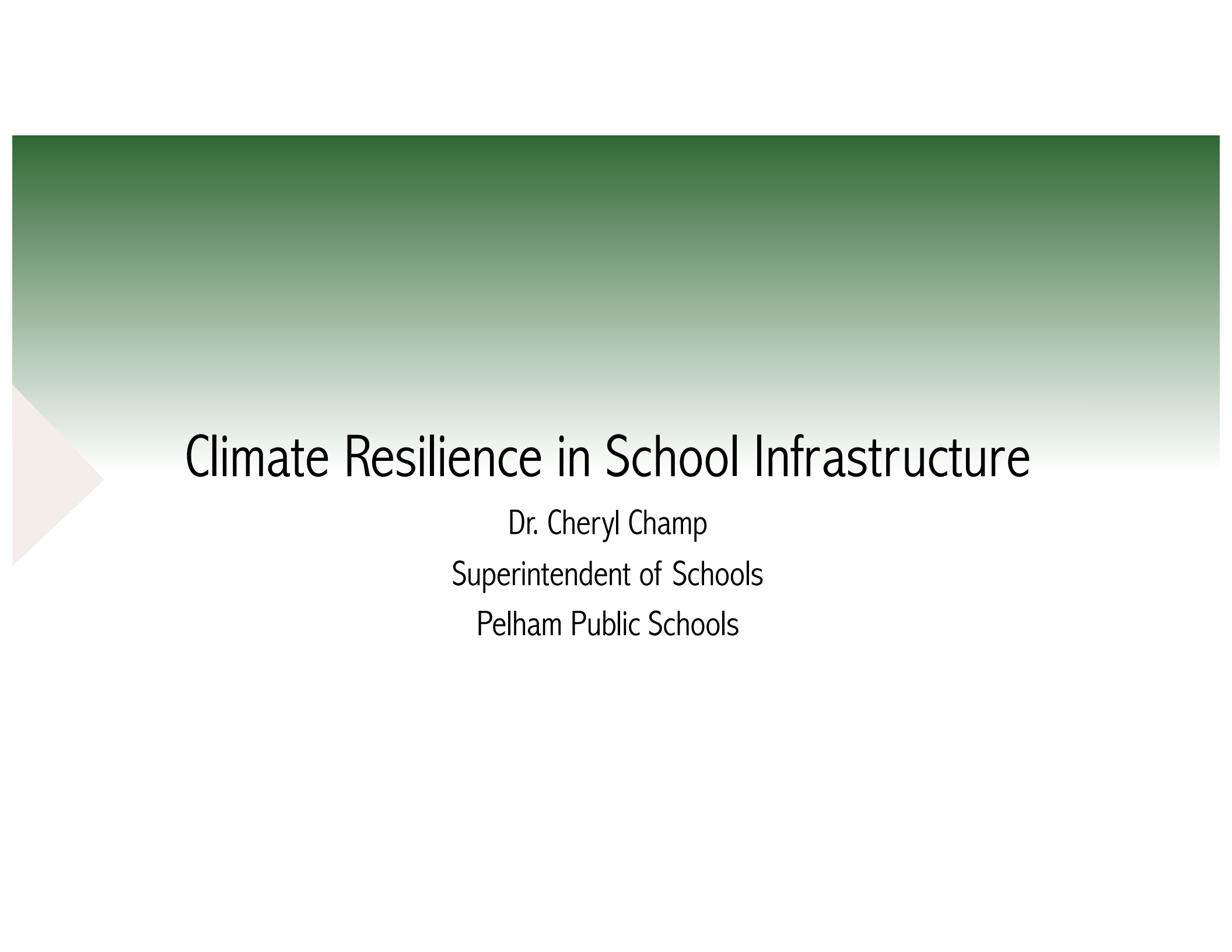




Climate Resilience in School Infrastructure

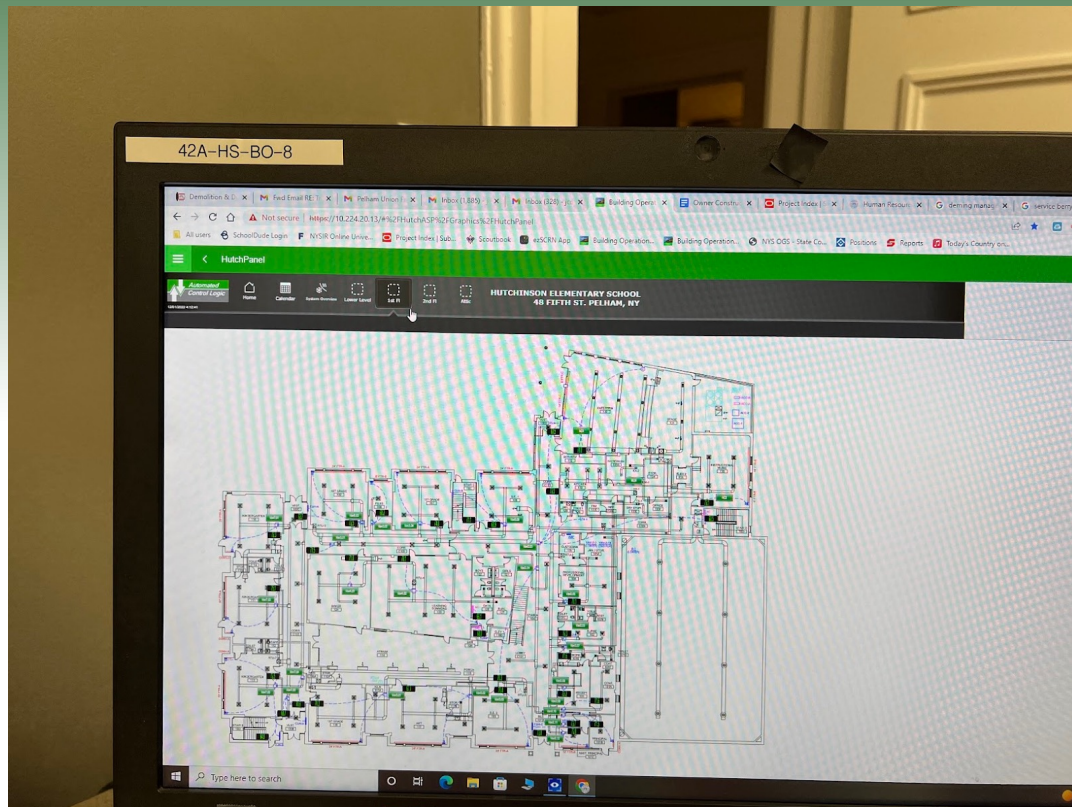
Dr. Cheryl Champ
Superintendent of Schools
Pelham Public Schools

KEY CLIMATE ISSUES IN BUILDING DESIGN

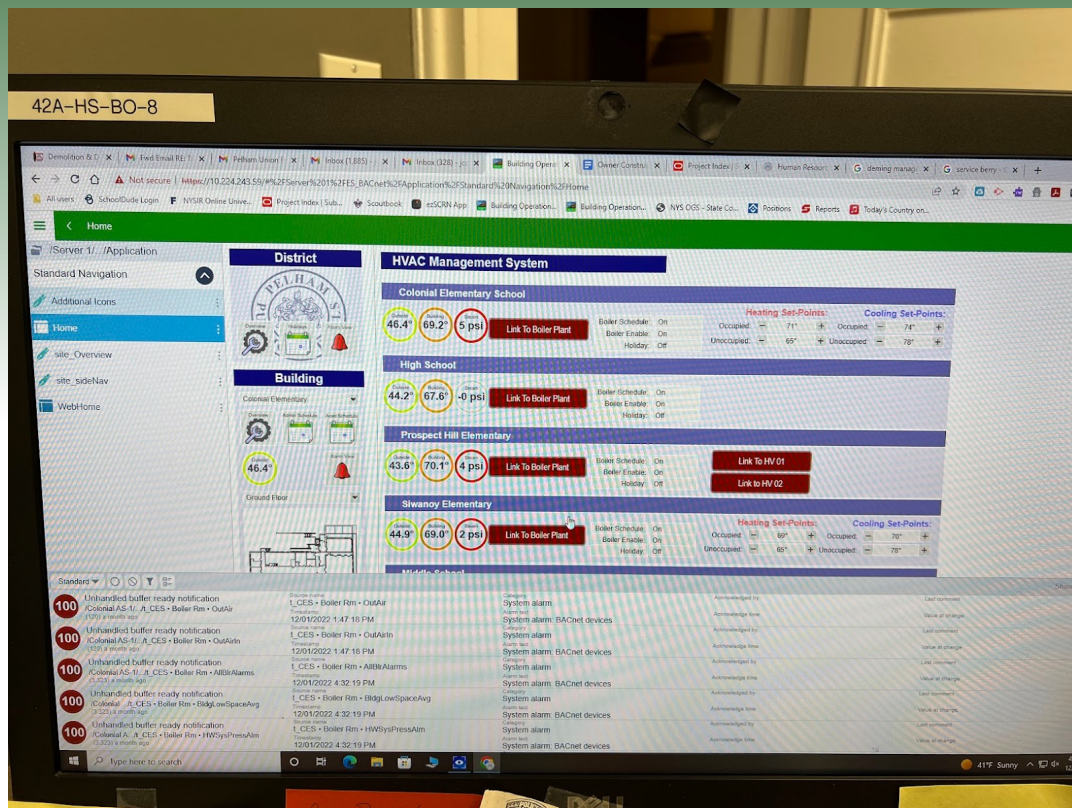


ENERGY - HOT WATER CONDENSING AND ENERGY RECOVERY UNITS FOR 95% EFFICIENCY





ENERGY -
ZONE
CONTROL
FOR
REDUCED
ENERGY USE



ENERGY - AUTOMATED CONTROLS FOR GREATER HVAC MANAGEMENT

ENERGY - LIGHT HARVESTING AND OCCUPANCY SENSORS





ENERGY -
MAXIMIZED
DAY LIGHT
FOR ENERGY
REDUCTION

ENERGY - INSULATED WINDOWS FOR ENERGY CONSERVATION



LED LIGHTING FOR ENERGY CONSERVATION





ENERGY - CHARGING STATIONS

WATER MANAGEMENT - IRRIGATION SYSTEM SUPPORTED BY CISTERN FOR GROUND WATER COLLECTION



WASTE MANAGEMENT - BOTTLE FILLING STATIONS TO REPLACE SINGLE USE PLASTICS



WASTE MANAGEMENT - ON SITE FOOD PREP WITH COMPOSTING AND DISH WASHING CAPACITY





LEARNING
OPPORTUNITIES -
FLEXIBLE
COLLABORATION
SPACES

LEARNING OPPORTUNITIES - OUTDOOR CLASSROOMS



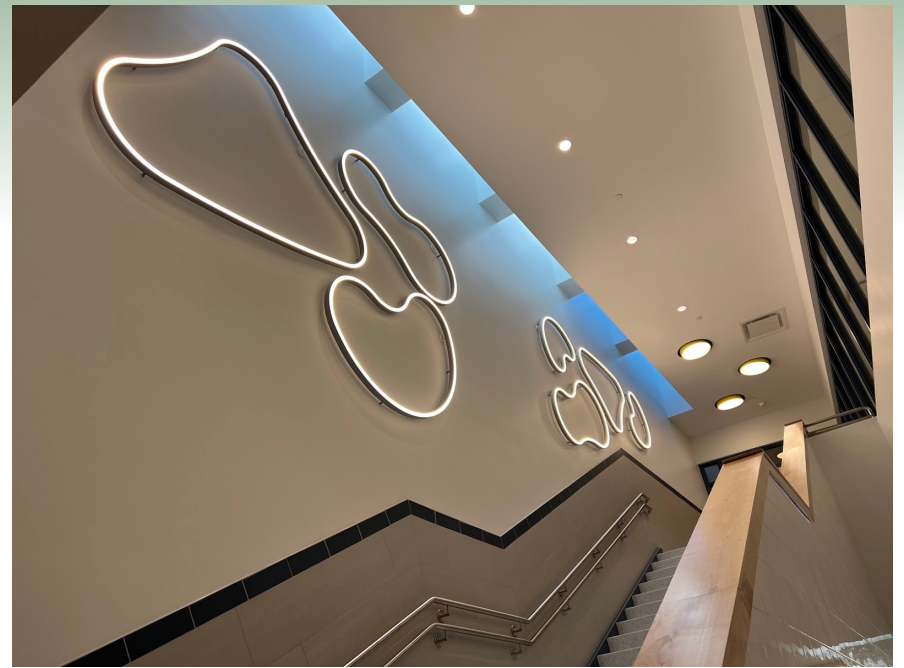
LEARNING OPPORTUNITIES - KITCHEN GARDEN



LEARNING OPPORTUNITIES - DEVELOPMENTAL PLAY



LEARNING OPPORTUNITIES - LIGHTING WITH ORGANIC THEMES



KEY TRADEOFFS IN DECISION - MAKING

- Return on Investment
 - Energy sources?
- Budget Limitations
 - Materials? Finishes?
- Operational Costs
- Energy costs? Staffing?
Contractual services?



THE BOARD'S ROLE



- Strategic priorities and community values
- Prioritizing needs
- Tax burden
- Oversight of planning and implementation

THANK YOU FOR LISTENING!

