RESILIENCY AND REDEVELOPMENT

2016 Connecticut Brownfields Conference

May 17, 2016

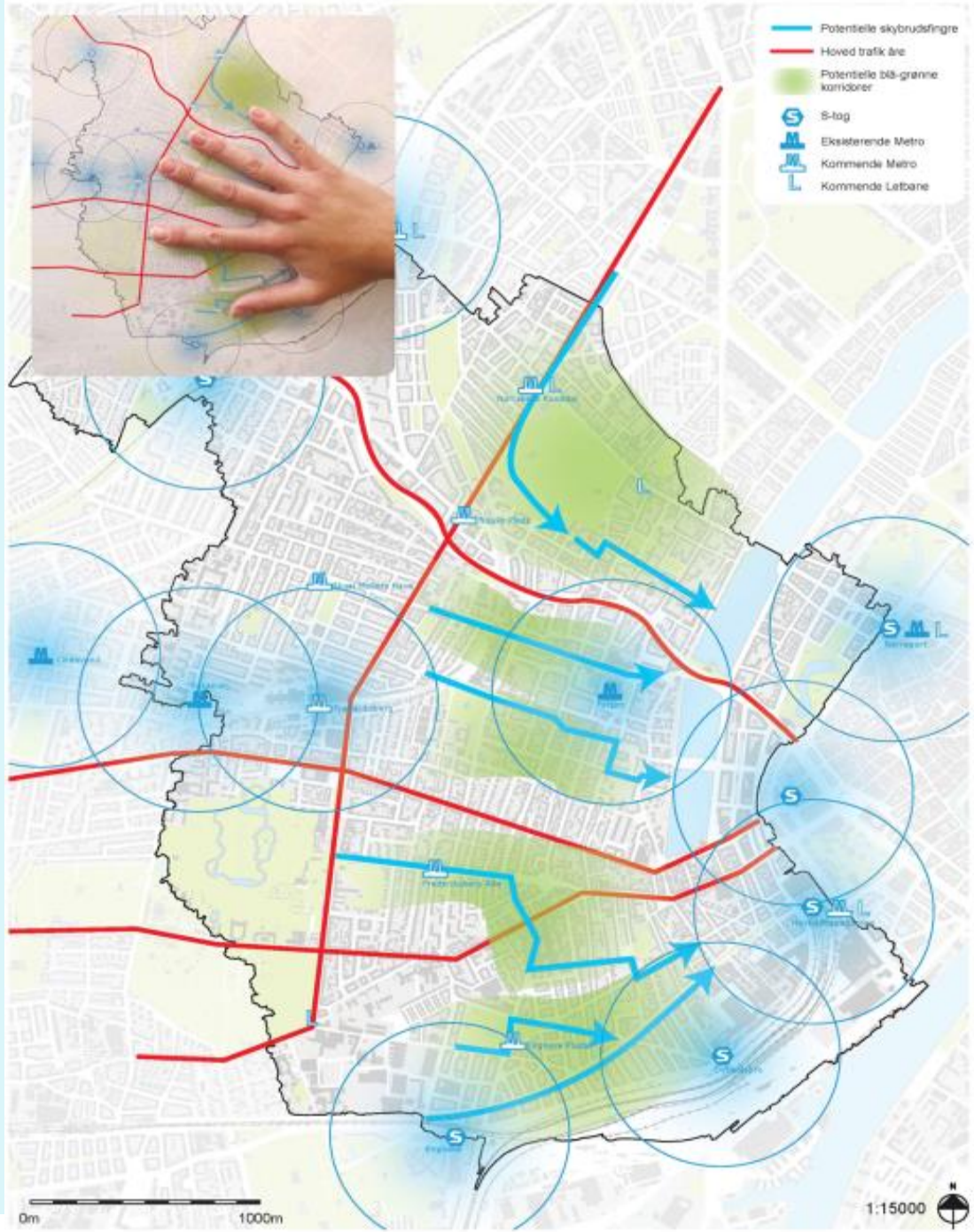
RESILIENCY AND REDEVELOPMENT

- Pamela Elkow - Carmody Torrance Sandak & Hennessey, LLP
- Mette Søs Lassesen – Ramboll Environ
- David Kooris – Rebuild by Design and National Disaster Resilience
- Megan Saunders – Stamford 2030 District

COPENHAGEN, DENMARK

Mette Søs Lessesen

MORGAN


Potentielle skybrudsfingre
Hoved trafik åre
Potentielle blå-grønne korridorer
S-tog
Eksisterende Metro
Kommende Metro
Kommende Letbane
0m
1000m
1:15000

KORSGADE – GREEN STREET

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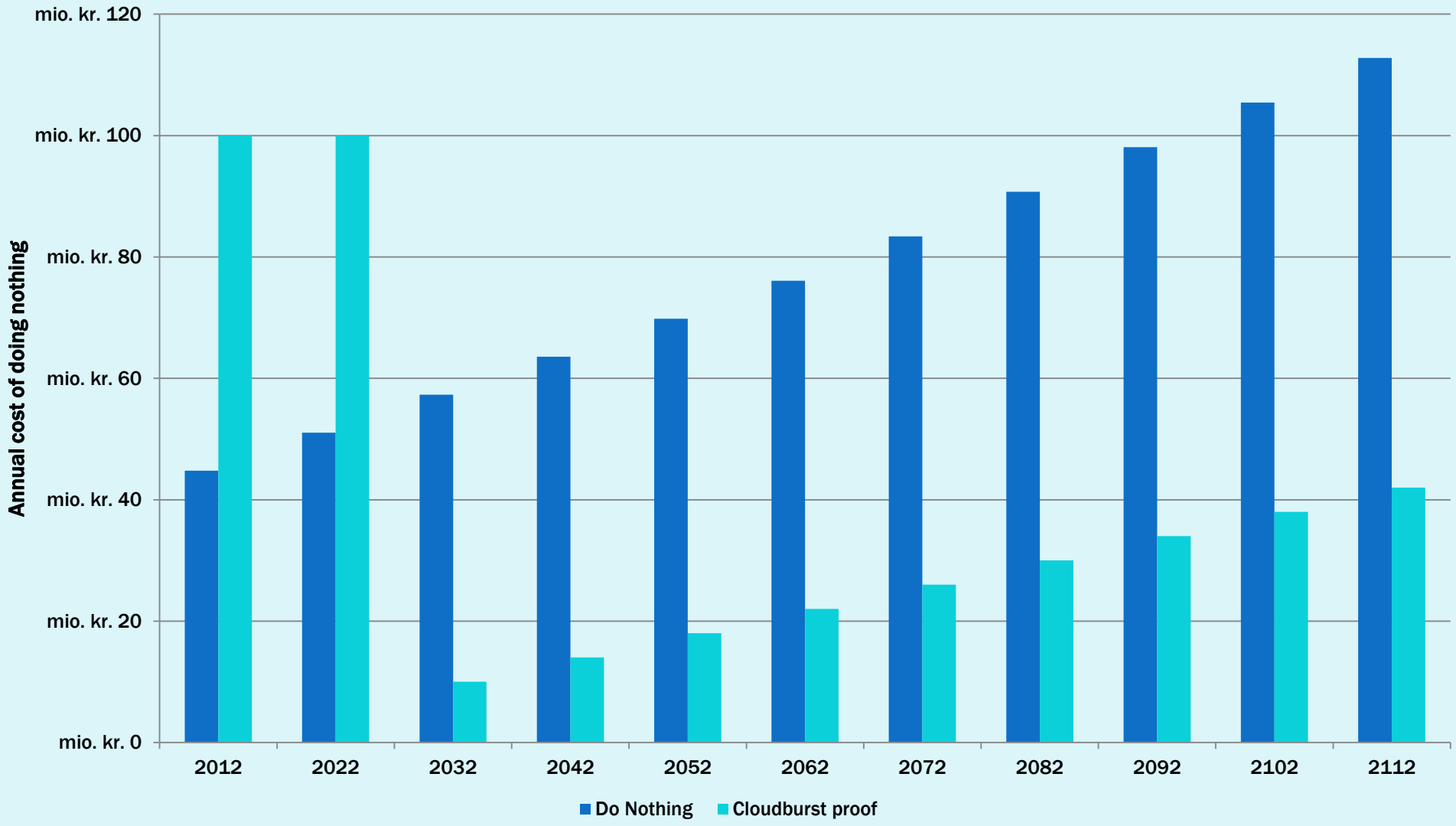
KORSGADE – GREEN STREET

Indre Nørrebro
Indre By
Start
Mål

THE COST OF "DO NOTHING"



ADDING VALUE AND LIVABILITY

REBUILD BY DESIGN

David M. Kooris

TRANSPORTATION EGRESS ZONE

RESILIENCE HUB

Transit Oriented Development
Metronorth station
Parking structure
Critical facilities

RESILIENCE CORRIDOR

Transit Oriented Development extension for safety/egress and economic development

SHOREFRONT COMMUNITIES

Resilience nodes and adaptation earthworks for low lying areas with housing

Community Resilience Facility is elevated and provides parking structure and other critical facilities

Opportunities for developer driven housing development

COASTAL ZONE

Aquatic habitat
Living shoreline

PARK CITY SUP
Huskies

STAMFORD 2030 DISTRICT

Megan Saunders

District Members

Progressive Solutions, Inc.

Stamford CT – Resilience Scorecard

Workshop, March 17th, 2015

RECENT GRANT

From Precipitation Thresholds Identification To Planning:

Helping Communities
Plan And Adapt To Future
Extreme Events

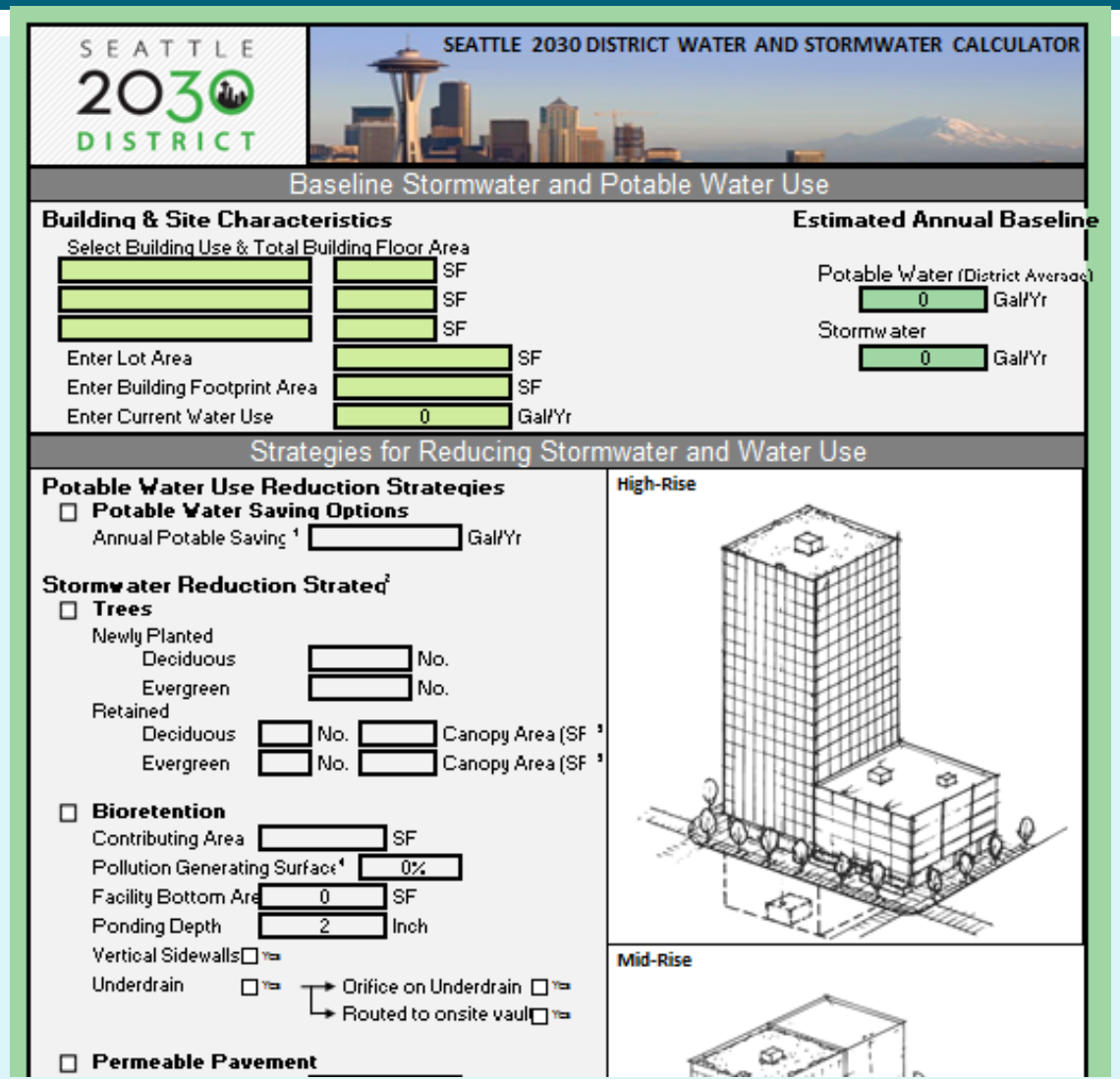
- Mapping out scenarios of precipitation and sea-level rise
- Evaluate development options
- Create a model planning process for cities in Connecticut

RESILIENCY BASELINE

Manage 50% of stormwater on site

Promote Green Infrastructure

Tied to City's Stormwater
Best Management Practices



SEATTLE 2030 DISTRICT

SEATTLE 2030 DISTRICT WATER AND STORMWATER CALCULATOR

Baseline Stormwater and Potable Water Use

Building & Site Characteristics

Select Building Use & Total Building Floor Area

SF
SF
SF

Enter Lot Area SF

Enter Building Footprint Area SF

Enter Current Water Use 0 Gal/Yr

Estimated Annual Baseline

Potable Water (District Average)
0 Gal/Yr

Stormwater
0 Gal/Yr

Strategies for Reducing Stormwater and Water Use

Potable Water Use Reduction Strategies

☐ **Potable Water Saving Options**

Annual Potable Saving [1] Gal/Yr

Stormwater Reduction Strategies[2]

☐ **Trees**

Newly Planted
Deciduous No.
Evergreen No.
Retained
Deciduous No. Canopy Area (SF [3]
Evergreen No. Canopy Area (SF [3]

☐ **Bioretention**

Contributing Area SF
Pollution Generating Surface[4] 0%
Facility Bottom Are 0 SF
Ponding Depth 2 Inch
Vertical Sidewalls ☐ Yes
Underdrain ☐ Yes → Orifice on Underdrain ☐ Yes
→ Routed to onsite vaul ☐ Yes

☐ **Permeable Pavement**

High-Rise

Mid-Rise

Questions?
TAK!
THANK YOU!