

AIA 2012

NATIONAL CONVENTION
AND DESIGN EXPOSITION

MAY 17-19

WALTER E. WASHINGTON
CONVENTION CENTER
WASHINGTON, D.C.

DESIGN CONNECTS

Emerging Themes in Public Buildings: *Austerity, Sustainability, Public Private Partnerships*

SESSION ID: PA 102

Wednesday, May 16, 2012 0915



THE AMERICAN
INSTITUTE
OF ARCHITECTS

AIA 2012

NATIONAL CONVENTION
AND DESIGN EXPOSITION

MAY 17-19
WALTER E. WASHINGTON
CONVENTION CENTER
WASHINGTON, D.C.



DESIGN
CONNECTS

This presentation is protected by US and International Copyright laws. Reproduction, distribution, display and use of the presentation without written permission of the speaker is prohibited.

AIA 2012

NATIONAL CONVENTION
AND DESIGN EXPOSITION

MAY 17-19
WALTER E. WASHINGTON
CONVENTION CENTER
WASHINGTON, D.C.



DESIGN
CONNECTS

AIA/CES Quality Statement

This program is registered with the AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to constitute approval, sponsorship or endorsement by the AIA of any method, product, service, enterprise or organization. The statements expressed by speakers, panelists, and other participants reflect their own views and do not necessarily reflect the views or positions of The American Institute of Architects or of AIA components, or those of their respective officers, directors, members, employees, or other organizations, groups or individuals associated with them. Questions related to specific products, publications, and services may be addressed at the conclusion of this presentation.

AIA 2012

NATIONAL CONVENTION
AND DESIGN EXPOSITION

MAY 17-19
WALTER E. WASHINGTON
CONVENTION CENTER
WASHINGTON, D.C.



DESIGN
CONNECTS

Learning Objectives

1. Key themes defining current public work
2. Application of cost effective sustainability features to achieve high performance building operations
3. Evaluate organizations and operations to maximize public service while minimizing operational cost
4. Impact of P3 on architectural practice, and avoiding pitfalls of uncompensated effort

WHAT IF ...

COURT
CLOSED

... THE
COURT'S BE
READY

... THE
COURT'S BE
READY



31086

CLEAR CHANNEL

Aging infrastructure images



CLIMATE CHANGE IMAGE

(maybe AL Gore's Inconvenient truth or some such image...

images of president's challenge – universities, other contests, trends, etc. around being green – operationally, not just with capital projects...



AMERICAN COLLEGE & UNIVERSITY
PRESIDENTS CLIMATE COMMITMENT

stock photo – dollars with belt

The utility of trouble

Pictures of civic buildings with very few staff in them....

Images of technology such as video conferencing or on-line services like registry of deeds –

Maybe an image of a high-ceilinged, busy elegant registry of deeds (Cambridge or Salem?)

And then on-line image of one of the registry web-sites that gets you access to all of that completely on-line....virtually eliminating the need for that civic space....

Image???

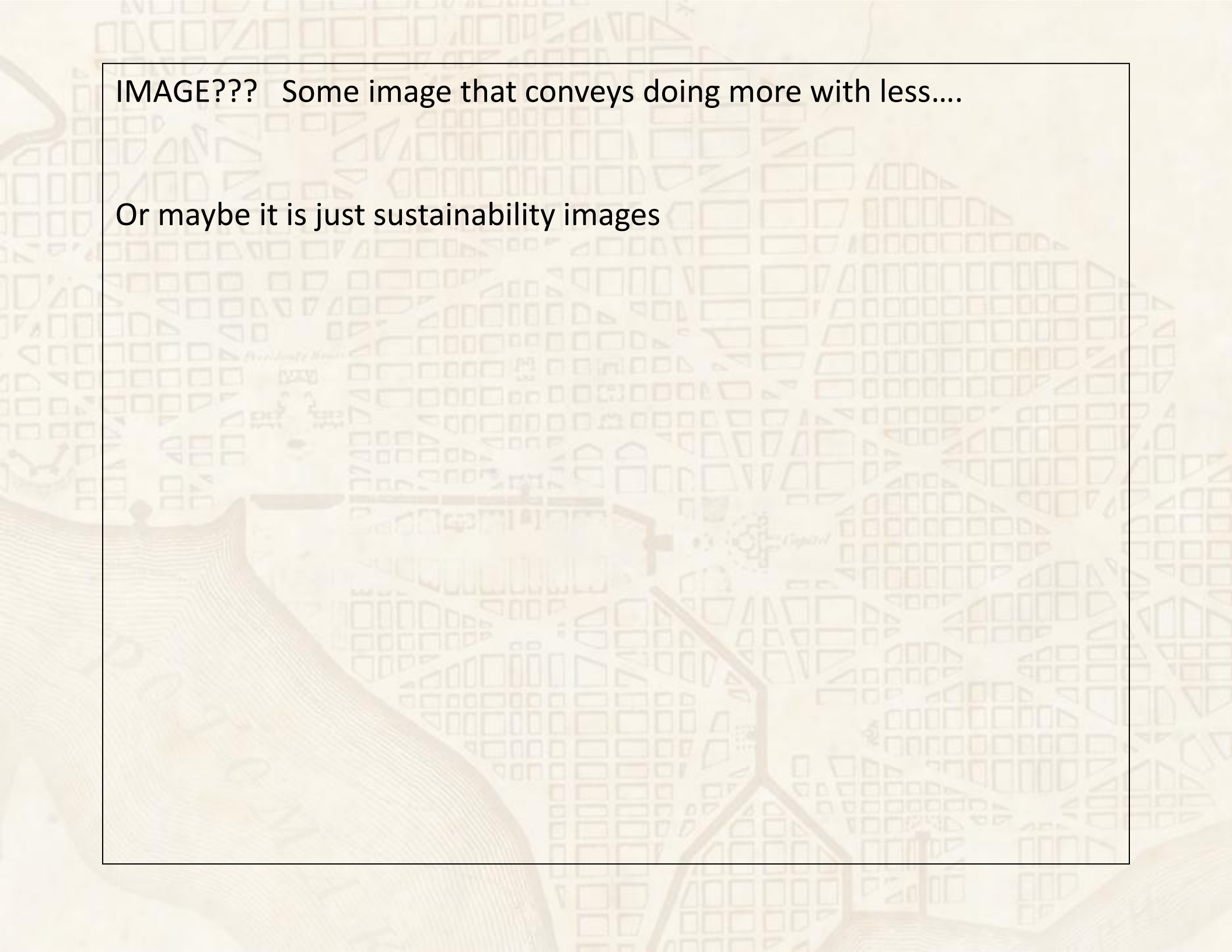
Bucolic human services campus image, maybe some historic courthouses...



Images – maybe some covers of Governing magazine talking about new trends or new ways of operating, re-engineering of government....

IMAGE??? Some image that conveys doing more with less....

Or maybe it is just sustainability images



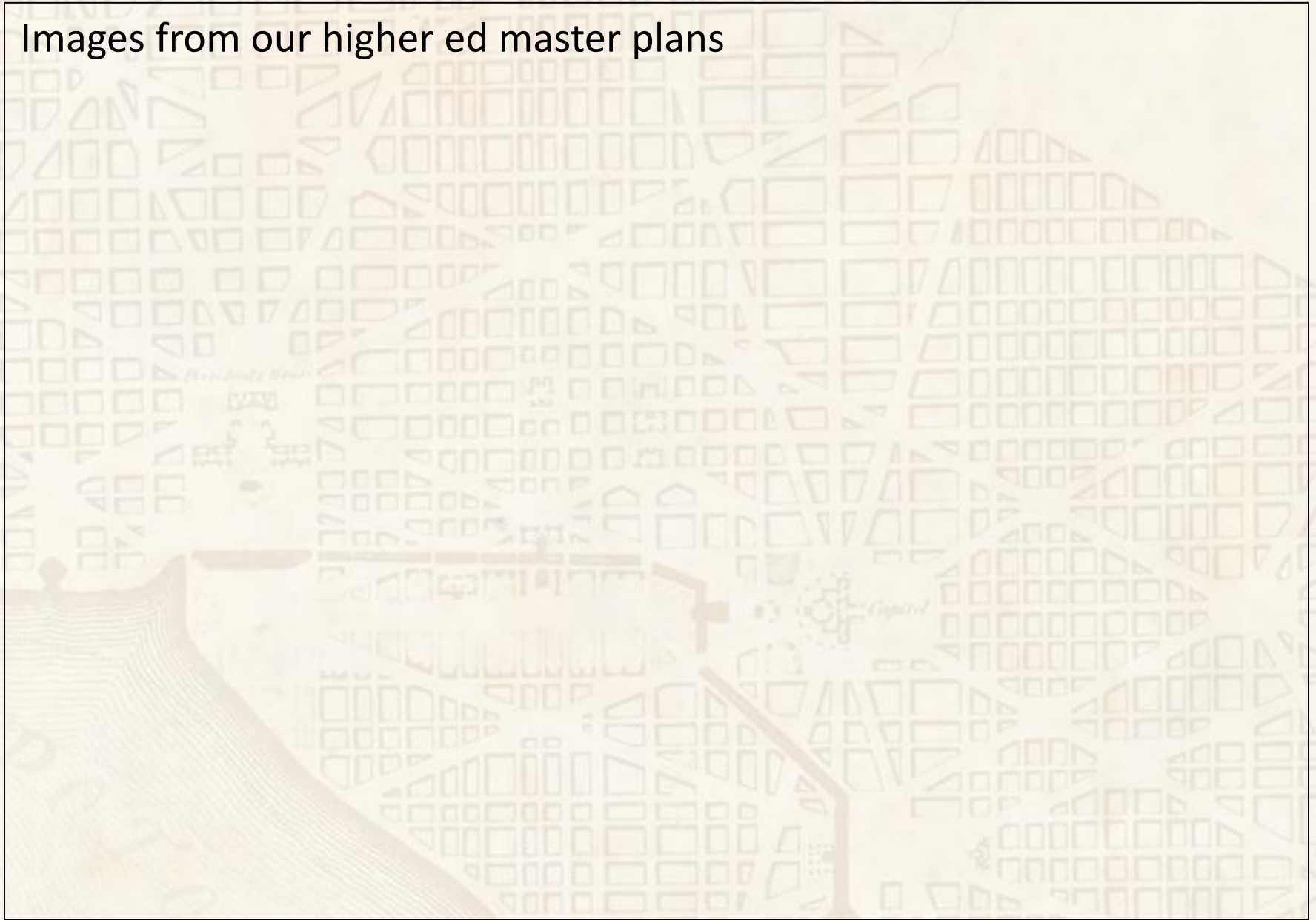
Image??



Images???



Images from our higher ed master plans





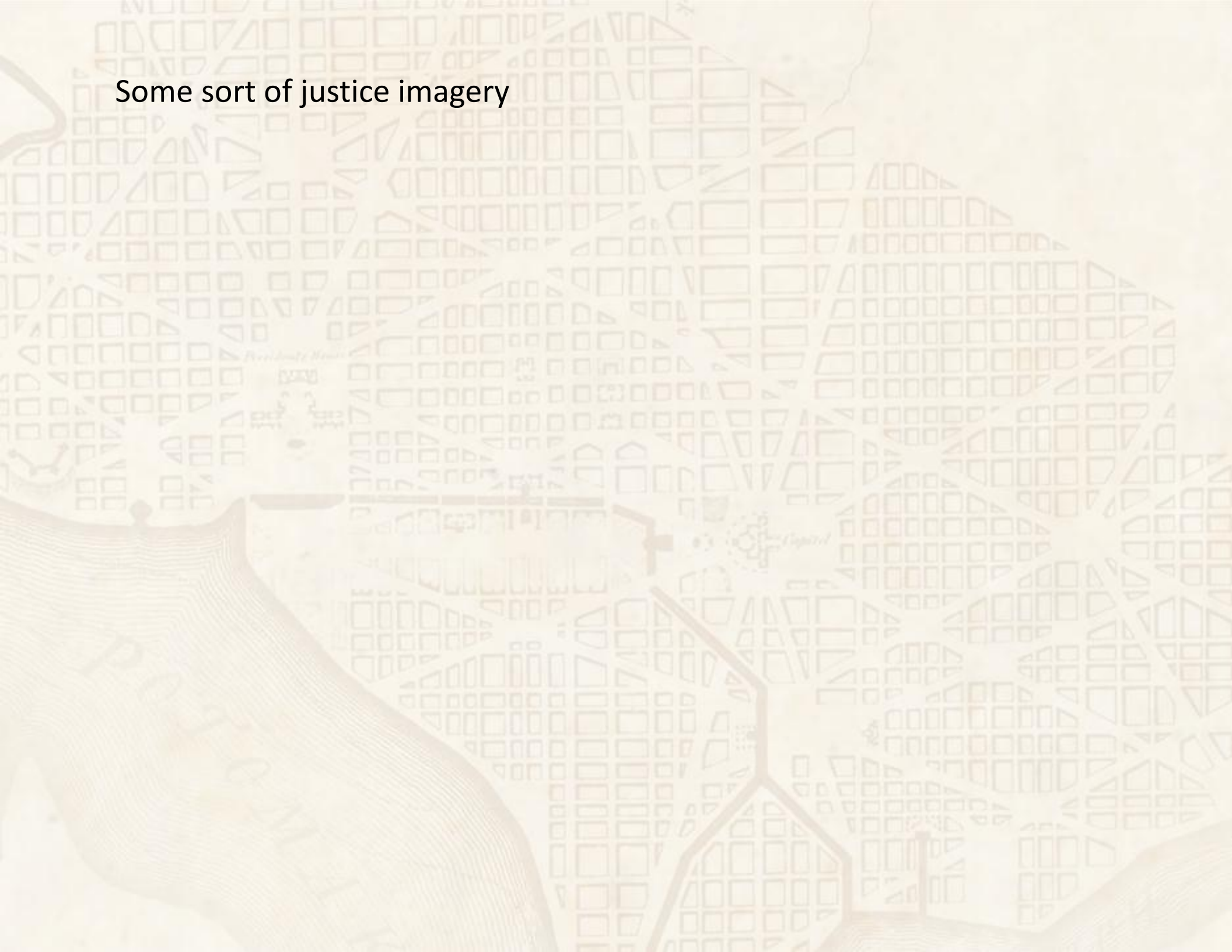


pic of correctional facility in ma

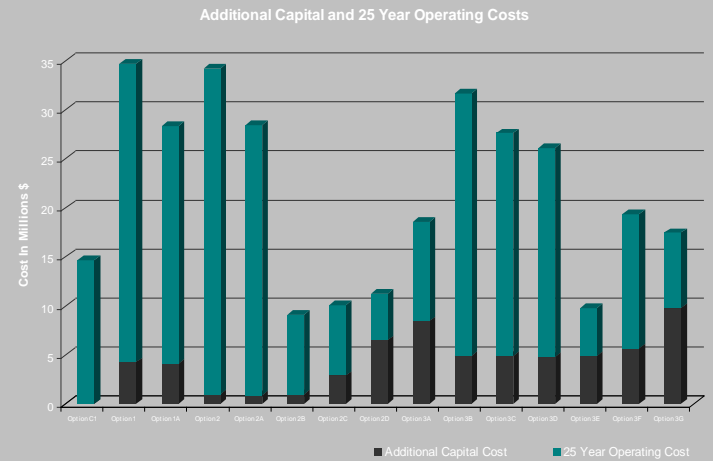
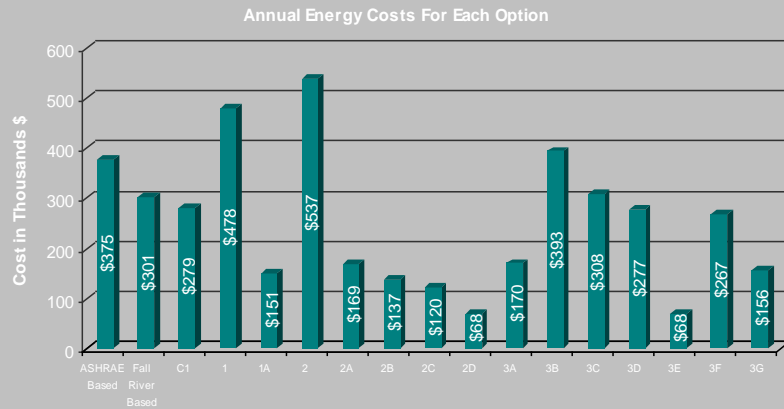
Human services images of group homes and neighborhoods instead of campuses...



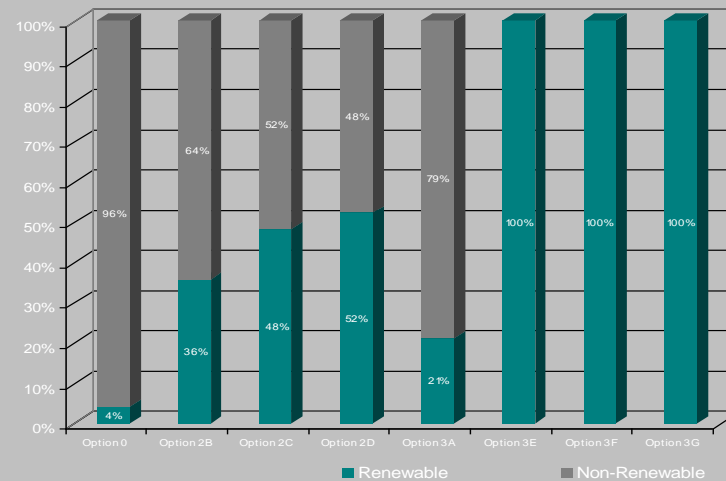
Some sort of justice imagery



Life cycle cost analysis



Renewable Energy Generation Percentage For Preferred Options



Justice in the Time of Austerity

“State Budget Cuts Clog Criminal Justice System”

Associated Press

“As States Cut Court Budgets, Who Pays the Price?”

NPR

“State Budget Cuts Threaten Public’s Access to Courts”

National Center for State Courts

“Budget Cuts for Courts Risk Rights”

The New York Times

**“The State Courts Are the
Emergency Room of Society”**

Jonathan Lippman
Chief Judge, State of New York

“Courts Embrace for Full Impact of Foreclosure Crisis”

Thomas Reuters

“Bill Collectors Inundate the Courts”

The New York Times

Economic Downturn Fuels Up Tick in Domestic Violence”

New American Media

What Architects and Planners Need to Know

TRADITION



INNOVATION



HEIRARCHY



COLLABORATION

Image to come

Role

Image to come

Function

Image to come

Adjudication



Problem-Solving

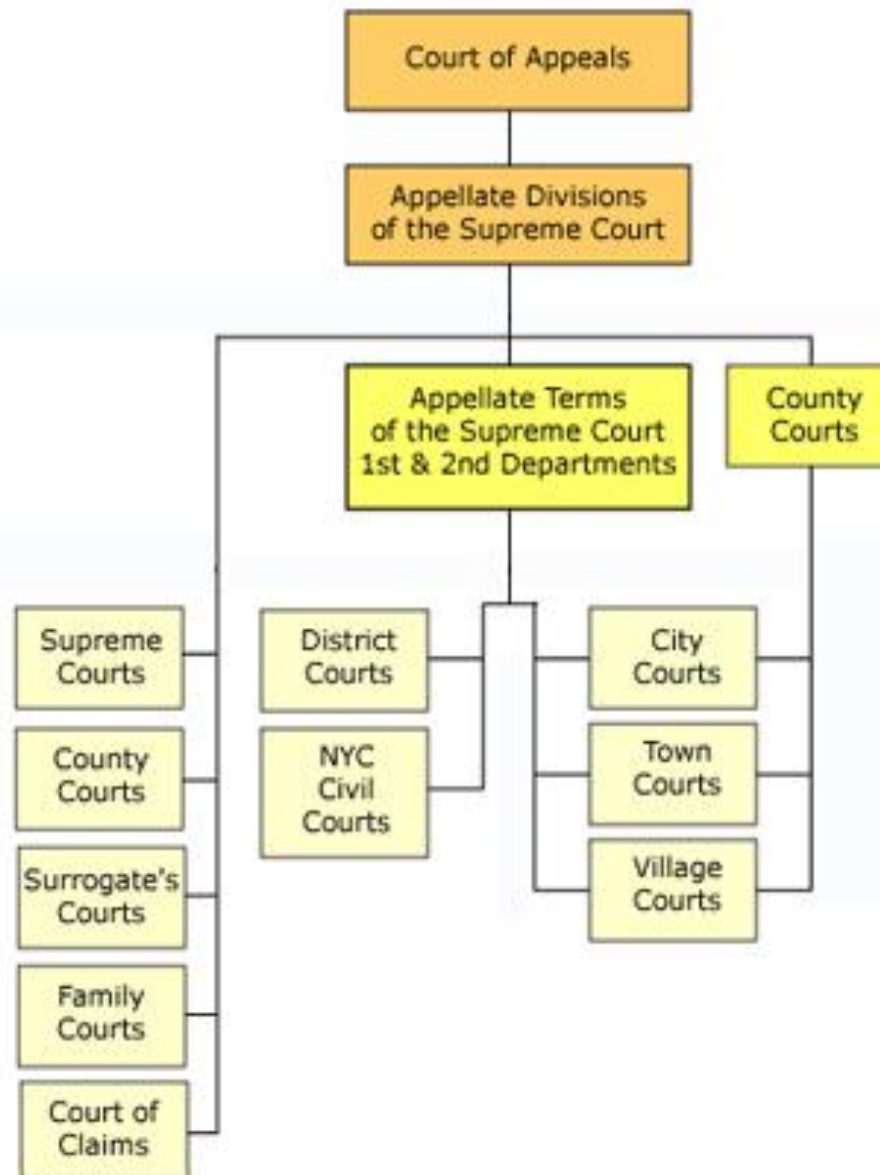


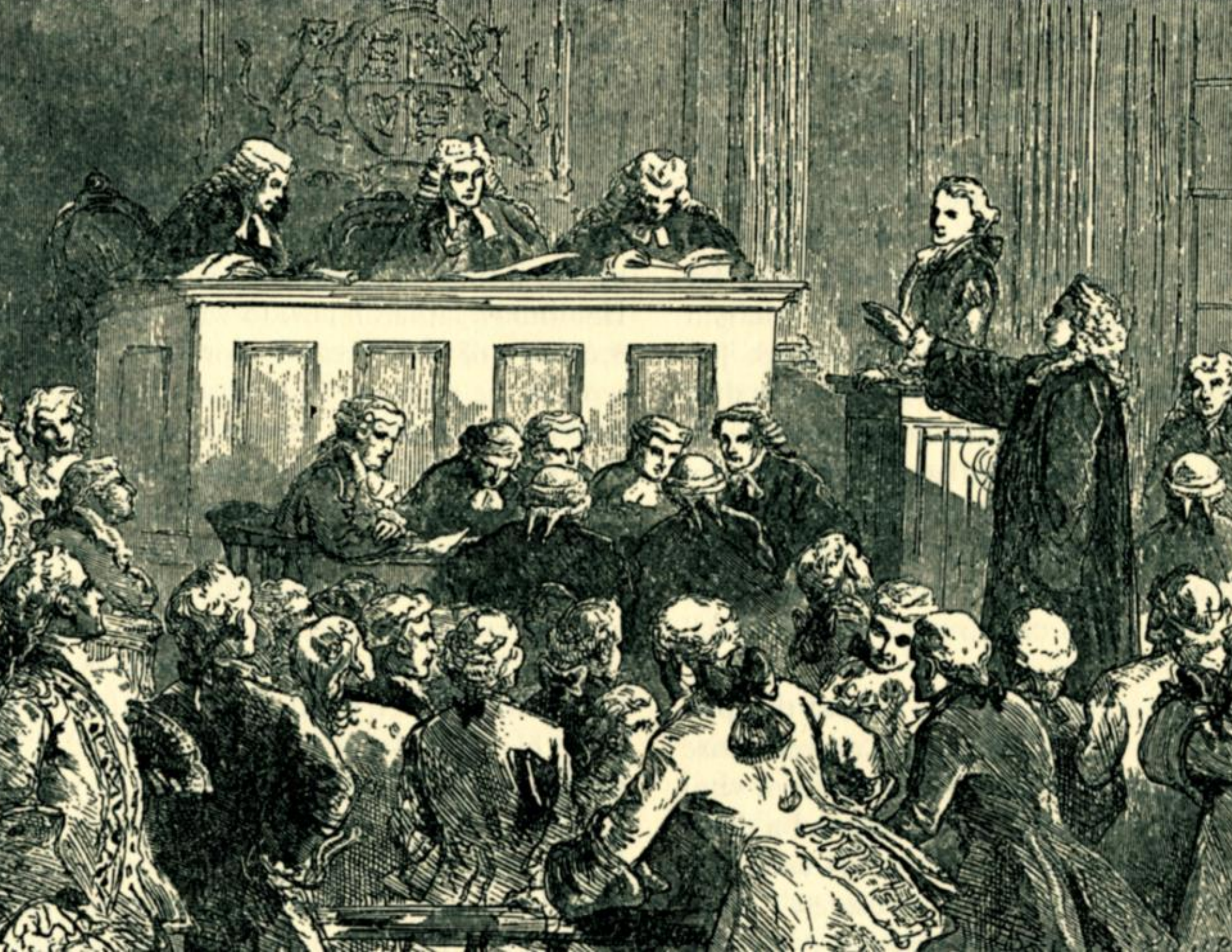
Fragmentation
Image to come

Consolidation

Image to come

Structure of the New York State Courts



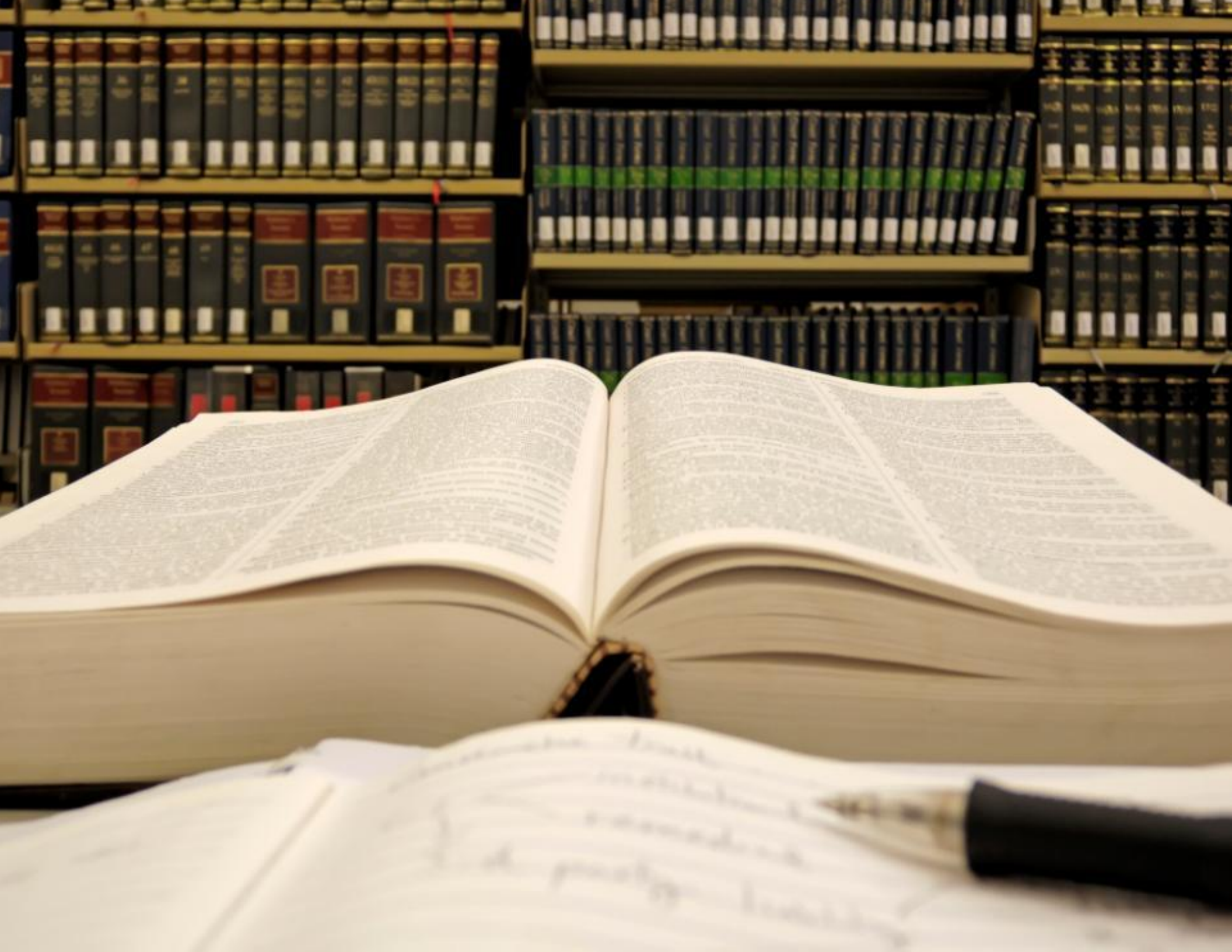




Hiroko Masuike/The New York Times

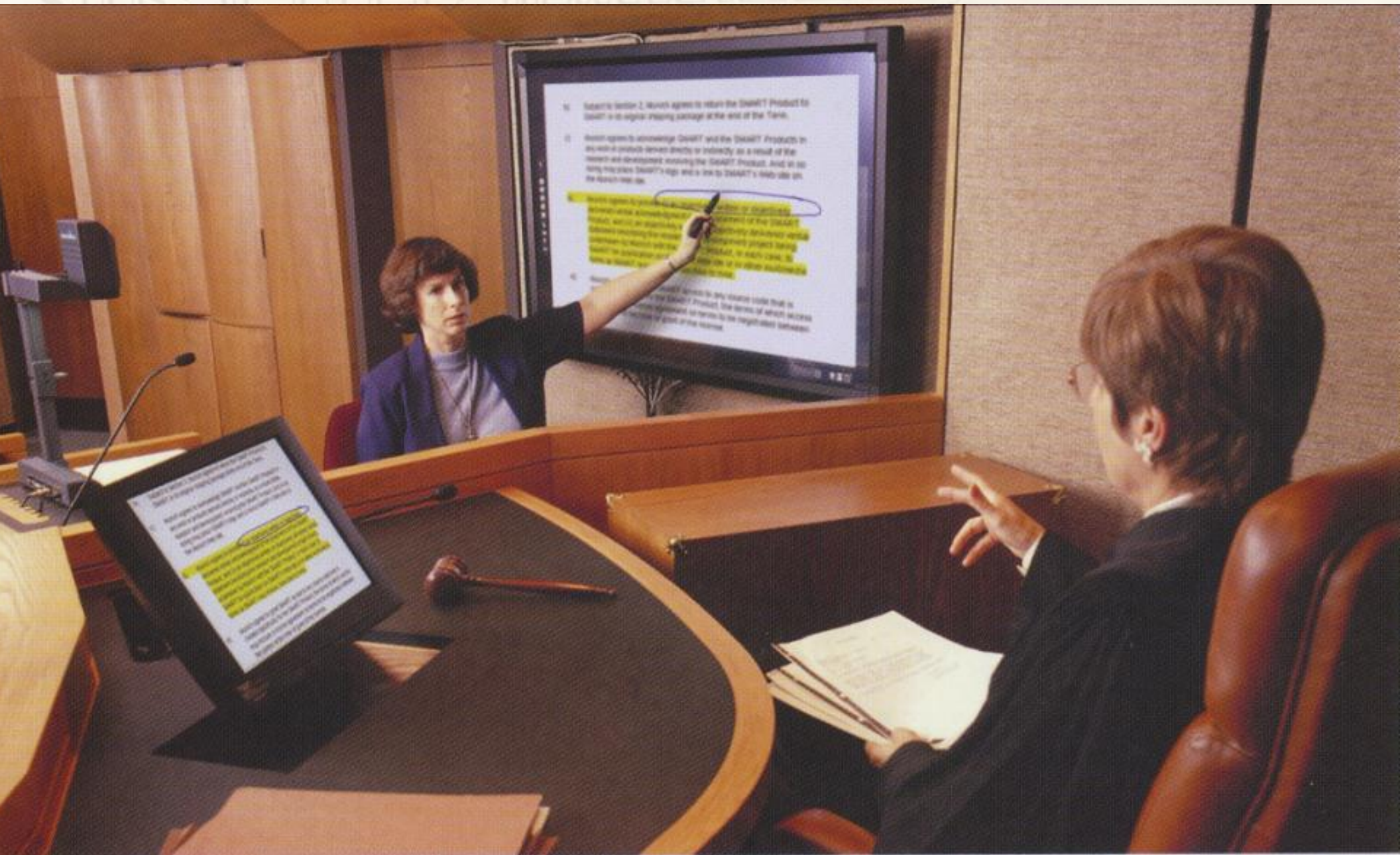


Hiroko Masuike/The New York Times



The background of the slide is a light beige map of Portland, Oregon. The map features a grid of streets and several large, stylized green areas representing parks. The text 'eEverything' is centered on the map.

*e*Everything





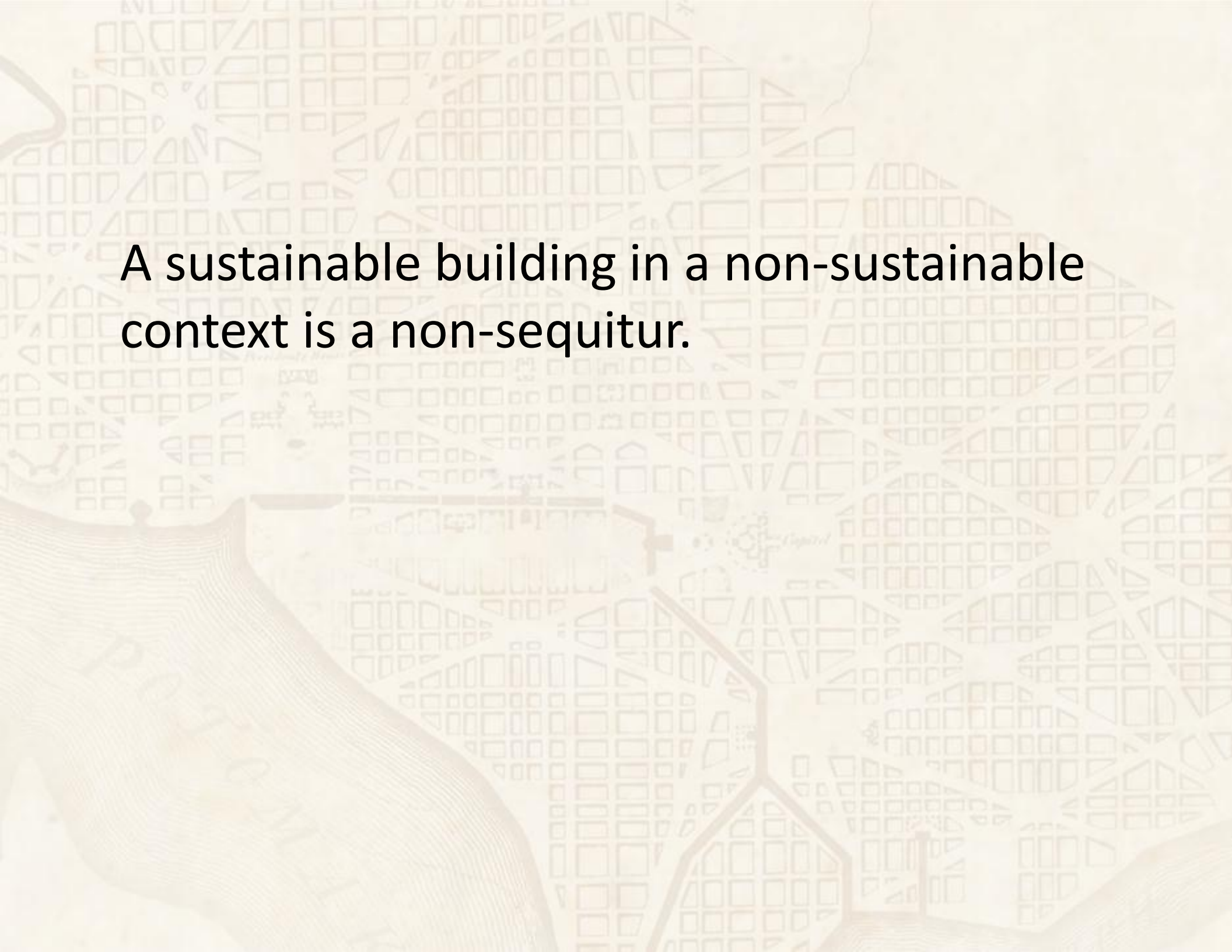
2.3 Million Unrepresented Litigations a Year

Image to come

Sustainability

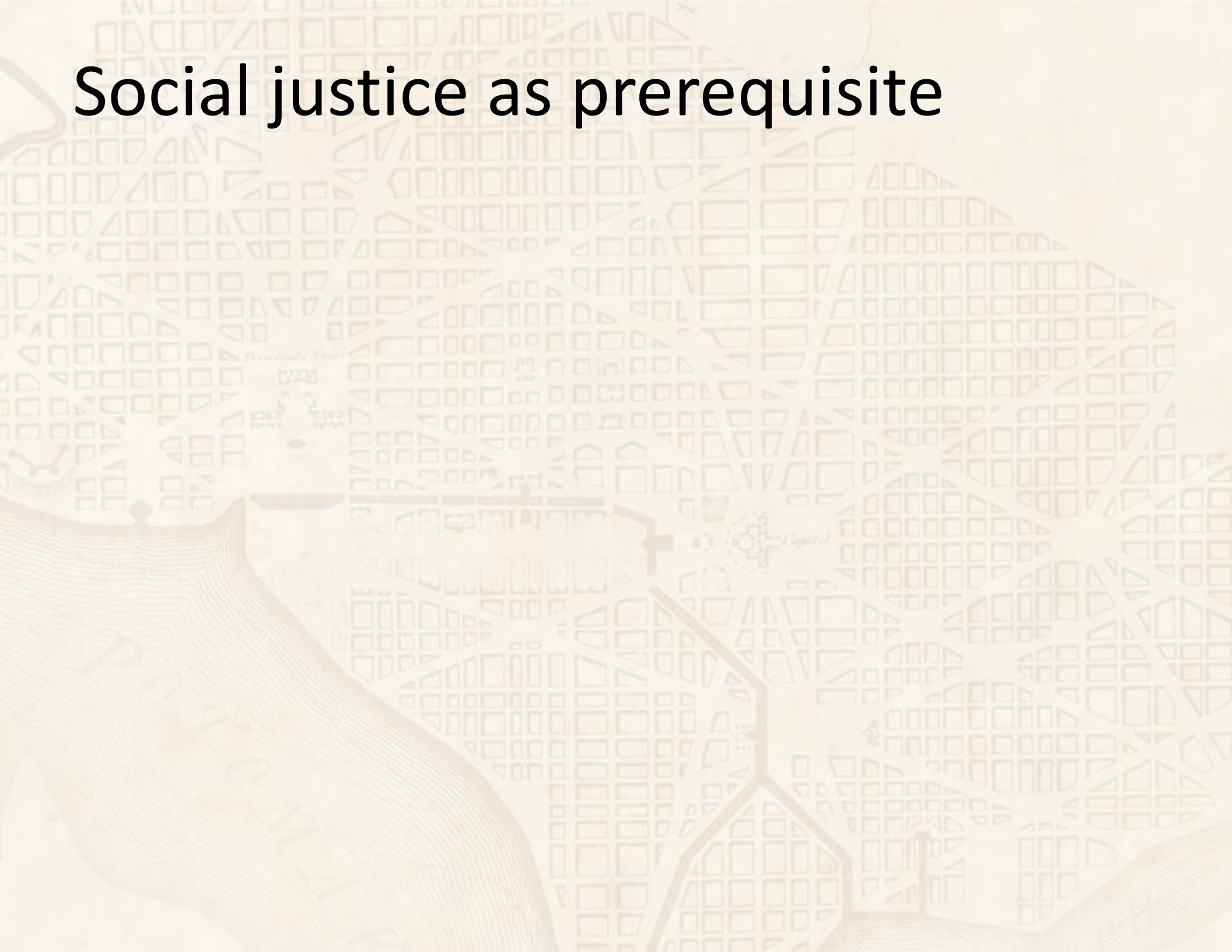
A faint, stylized map of Portland, Oregon, serves as the background. It shows the city's grid-like street pattern, the Willamette River winding through the center, and the surrounding hills. The map is rendered in a light, muted color palette, allowing the text to stand out.

- Protestant pain?
- Hefnerian hedonism?
- Goldlocks good?

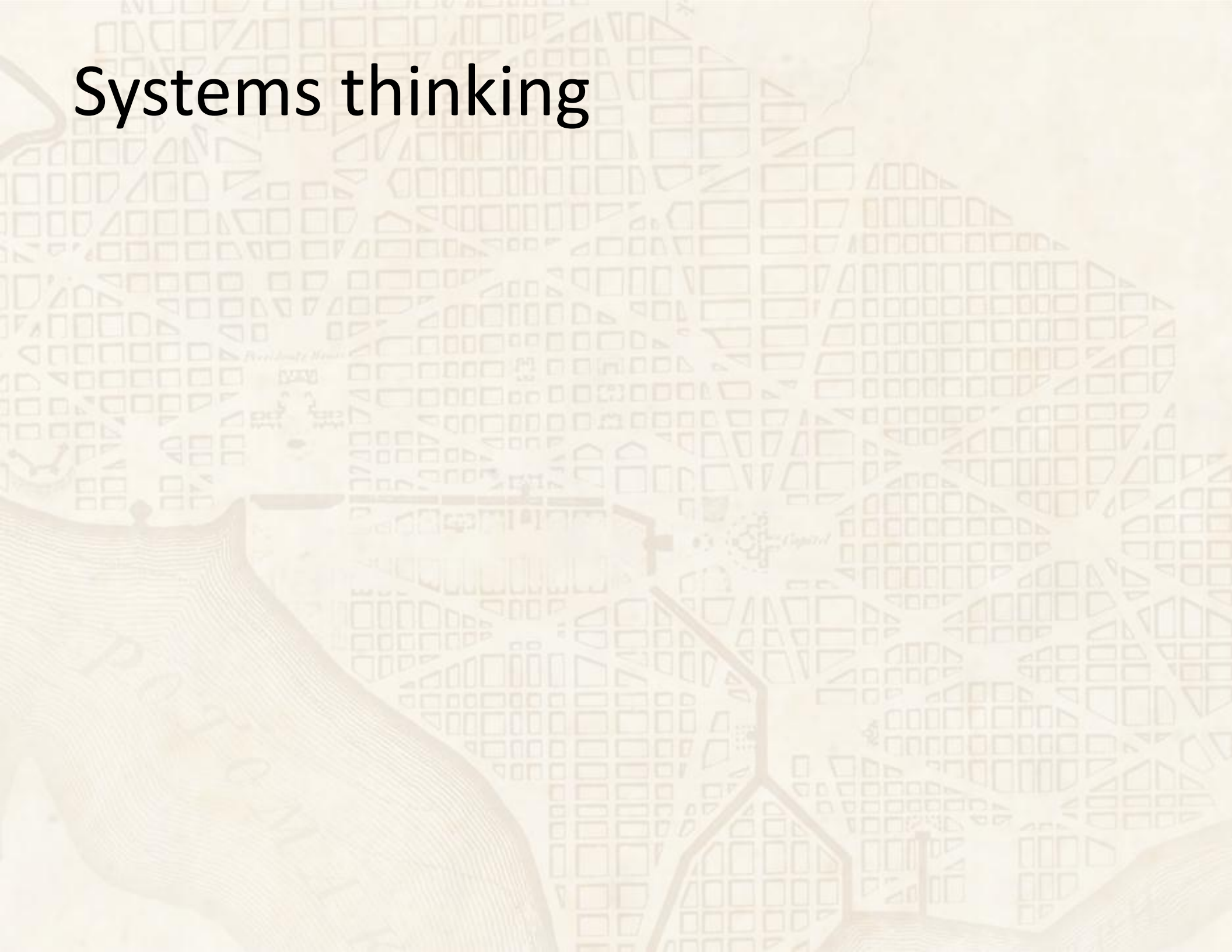
The background of the slide is a faded, light-colored map of Portland, Oregon. The map shows the city's grid-like street pattern, the Willamette River flowing along the left side, and the location of the city center. The text is overlaid on this map.

A sustainable building in a non-sustainable context is a non-sequitur.

Social justice as prerequisite



Systems thinking



Vision Mission Operations



Sustainable Justice

An Emergent System

- emergent systems are ones in which many different elements interact. The pattern of interaction then produces a new element that is greater than the sum of the parts, which then exercises a top-down influence on the constituent elements.

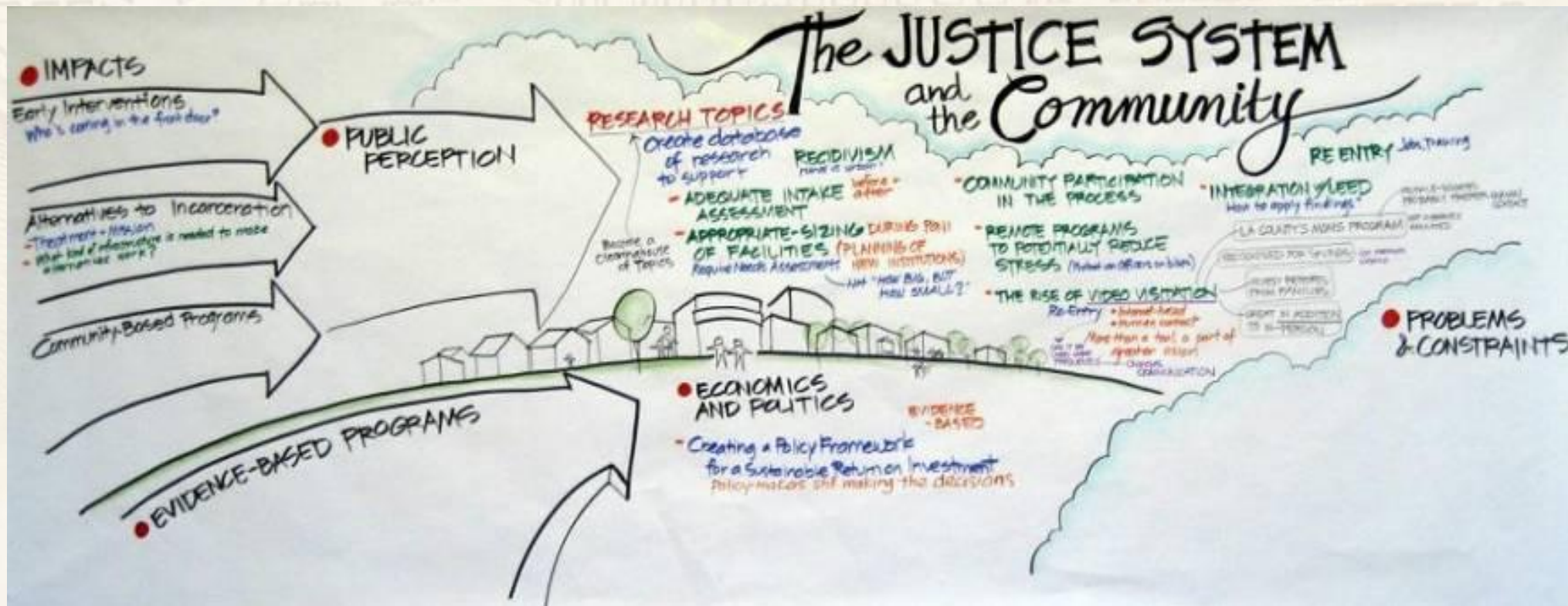
David Brooks, NY Times March 29, 2011

Justice System- elements

Police

Courts

Corrections

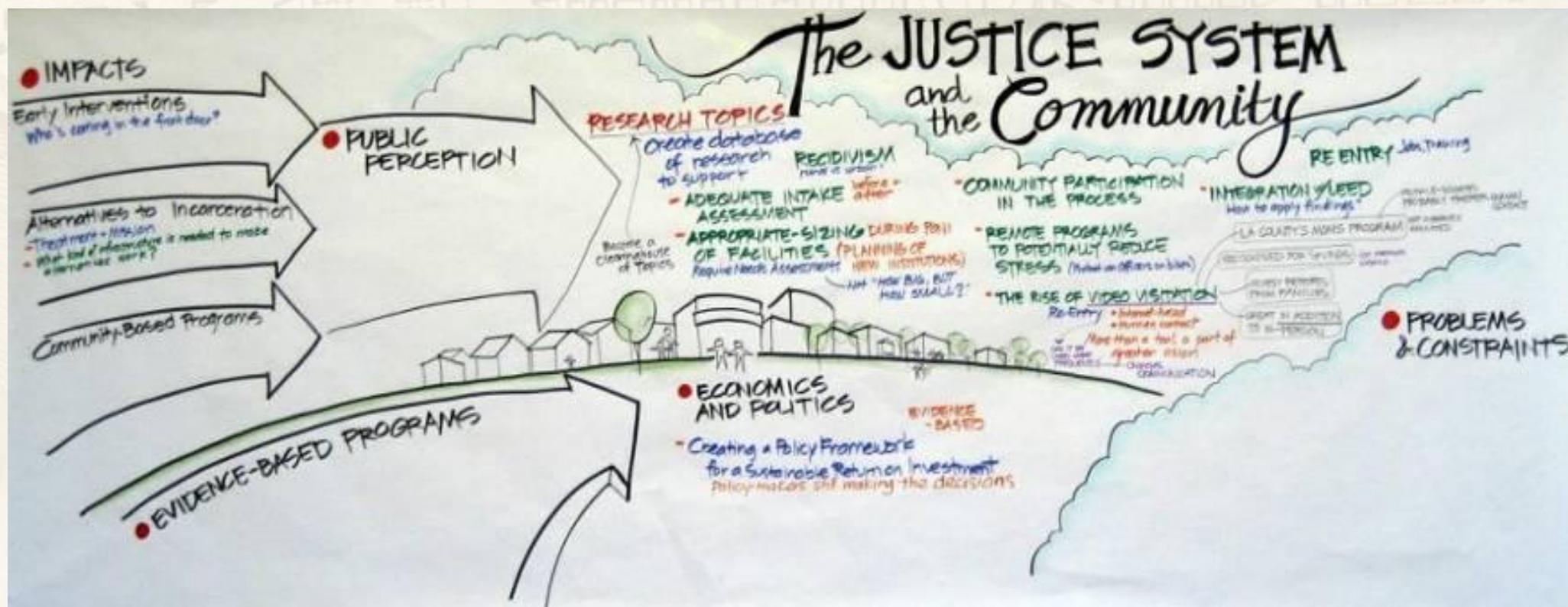


Justice System-Sustainability

Environment

Economy

Equity

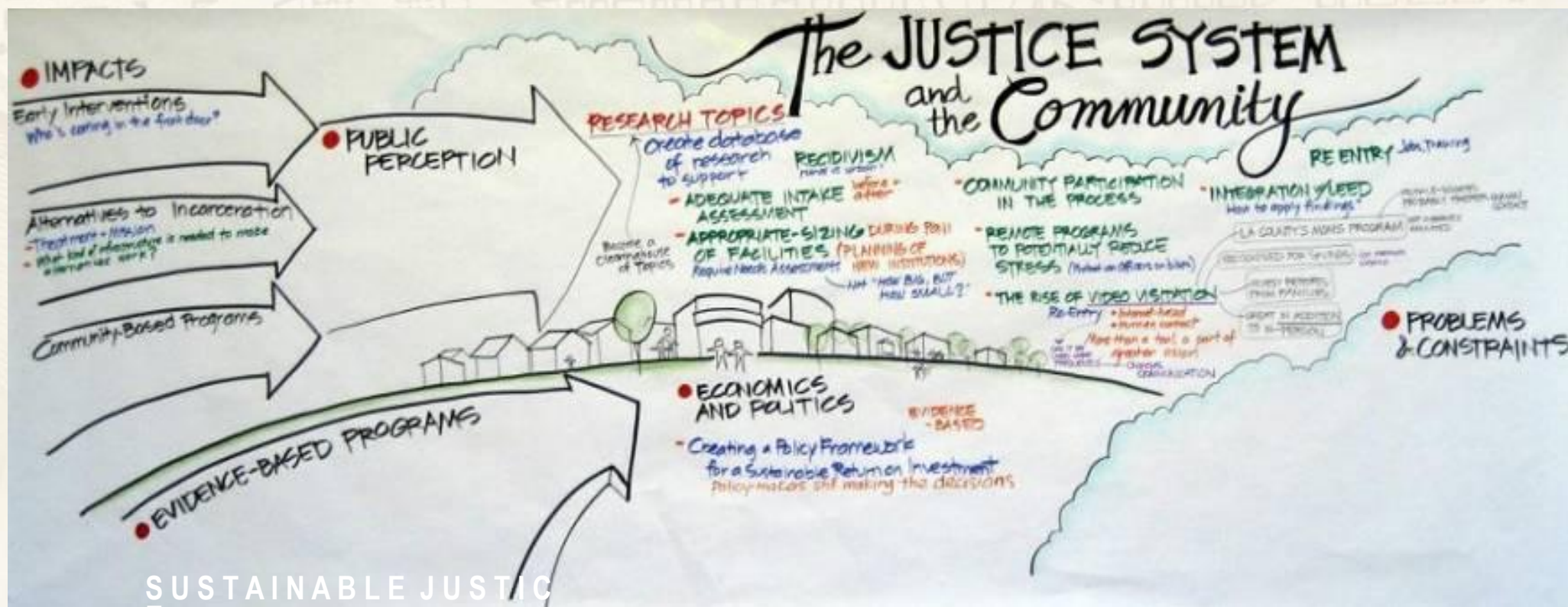


Justice System-Scale

Community

Building

Individual



SUSTAINABLE JUSTICE

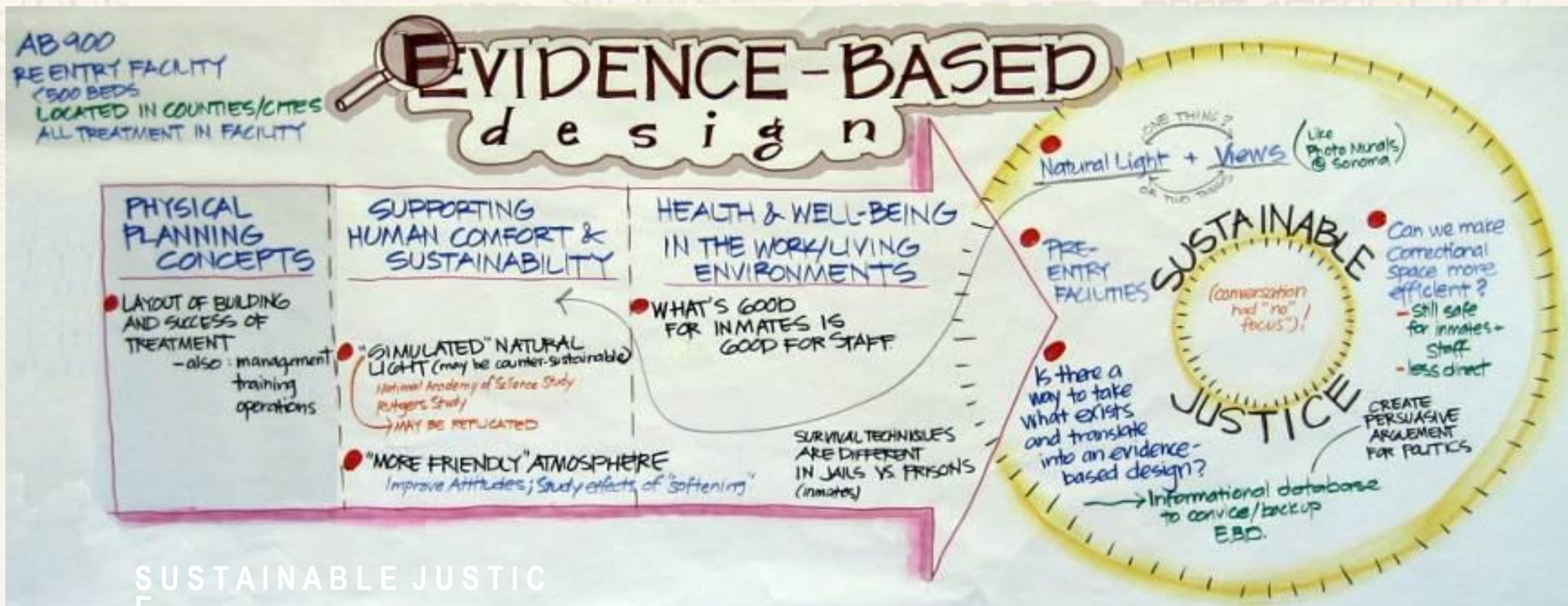
An Evolving System

Status Quo Justice System

Law Enforcement

‘Due Process’ Courts

Warehouse Prisons



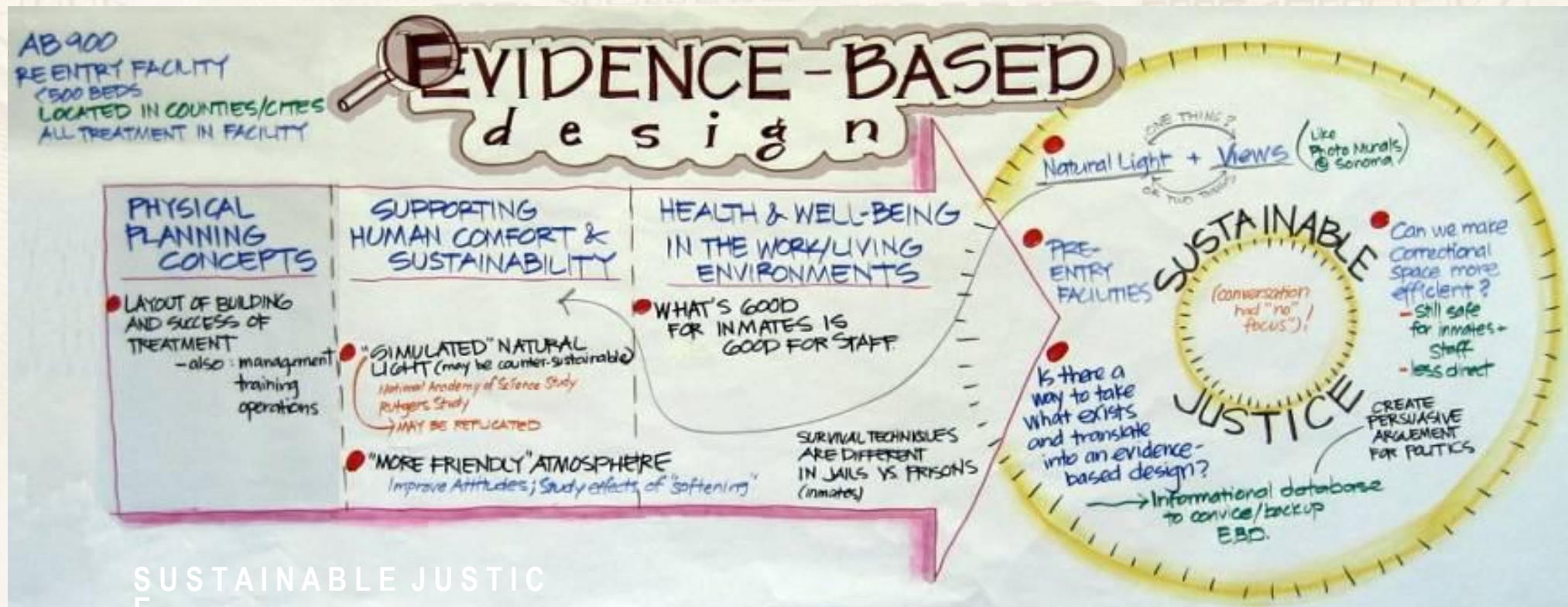
SUSTAINABLE JUSTICE

Status Quo Justice System

Polluting and Energy Intensive

Costly and Negative Impacts

Harmful to Clients



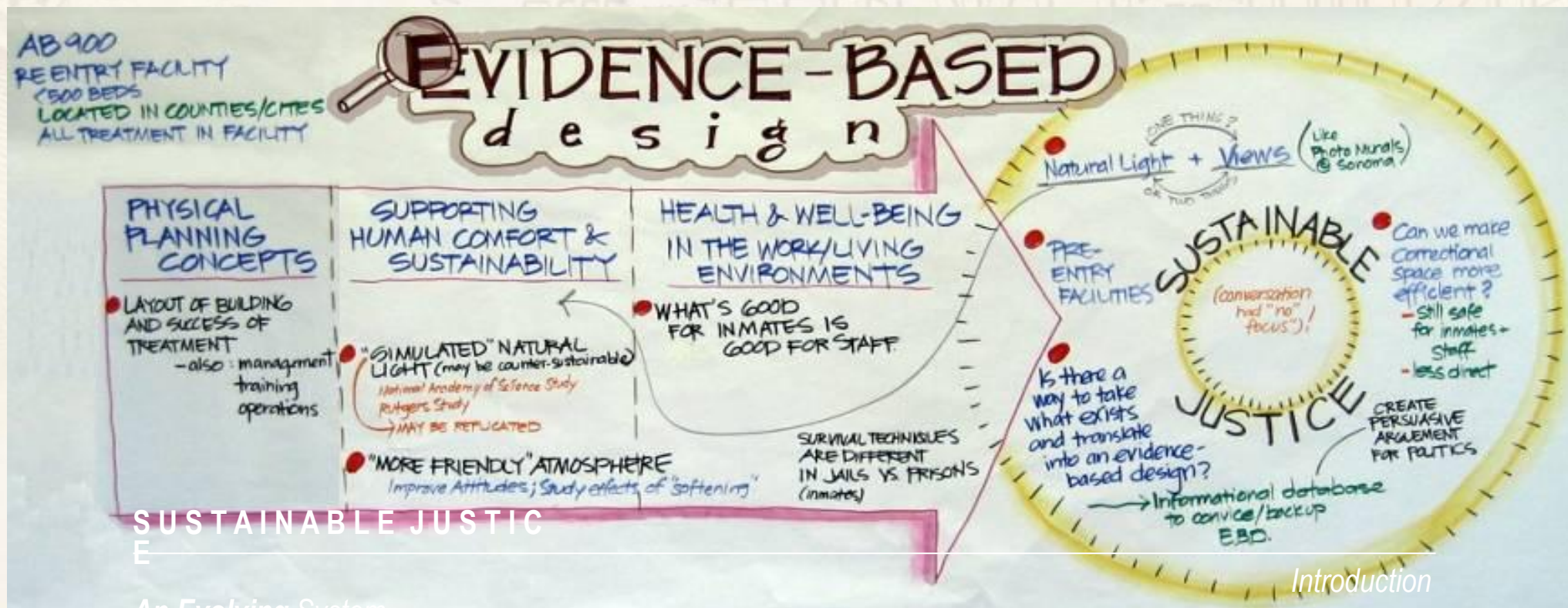
SUSTAINABLE JUSTICE

Sustainable Justice System

Police Services

Problem Solving Courts

Rehabilitative Corrections

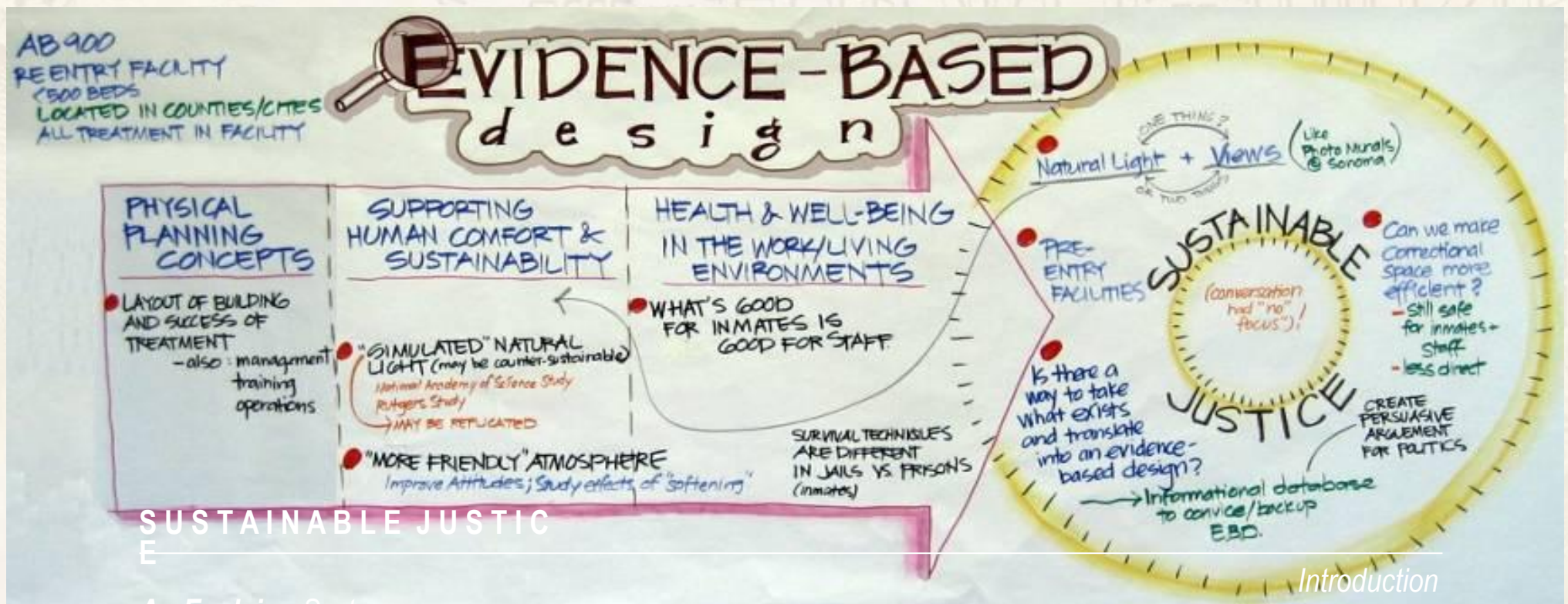


Sustainable Justice System

Low Emission, Carbon Zero Buildings

Economical To Operate And Staff

Healthy For Clients, Staff, And Community



Sustainable Principles

Justice System

Positive Outcomes

Community

Good Neighbor, Economic Catalyst

Building

Net Carbon Zero, Waste Zero, Healthful

User

Environments Cue Positive Behaviors

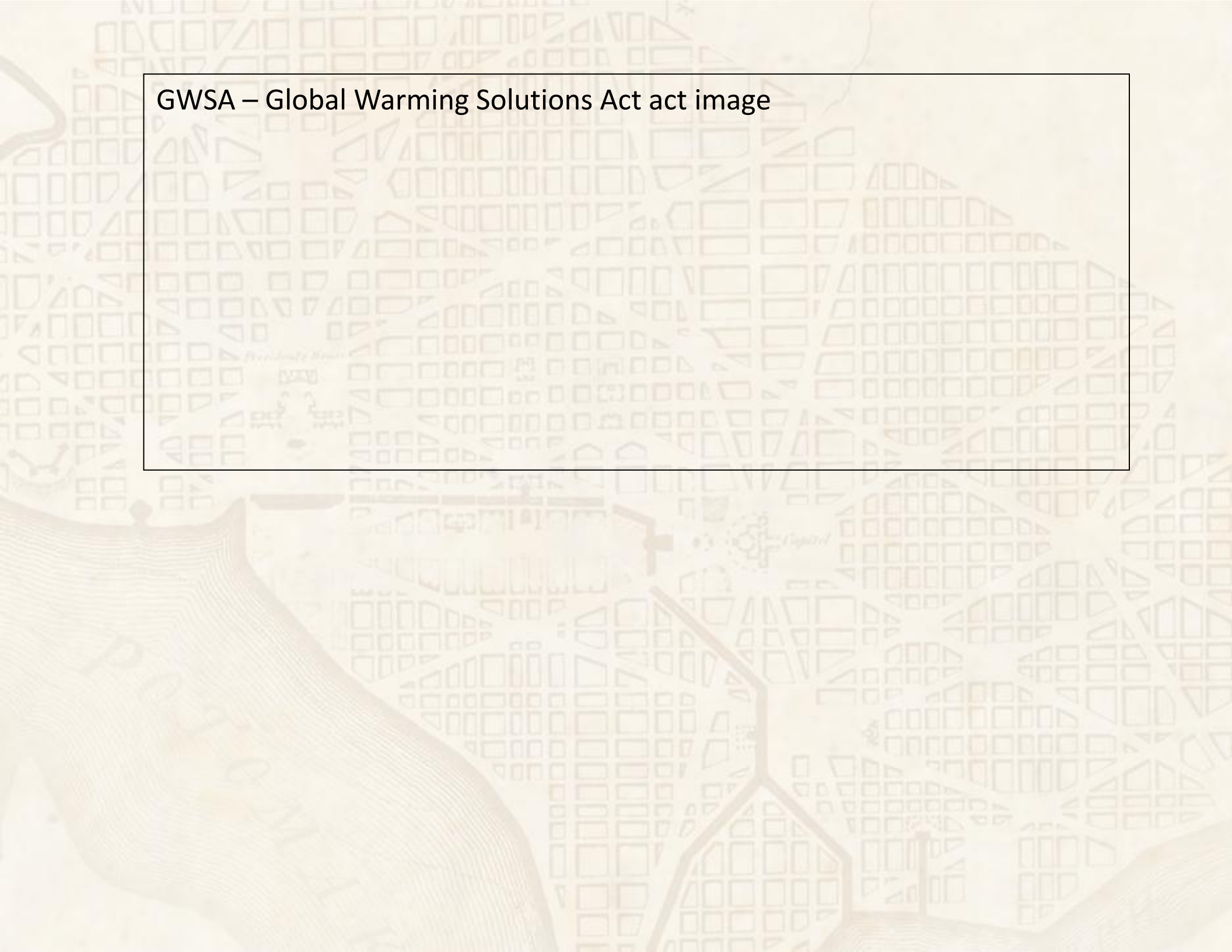




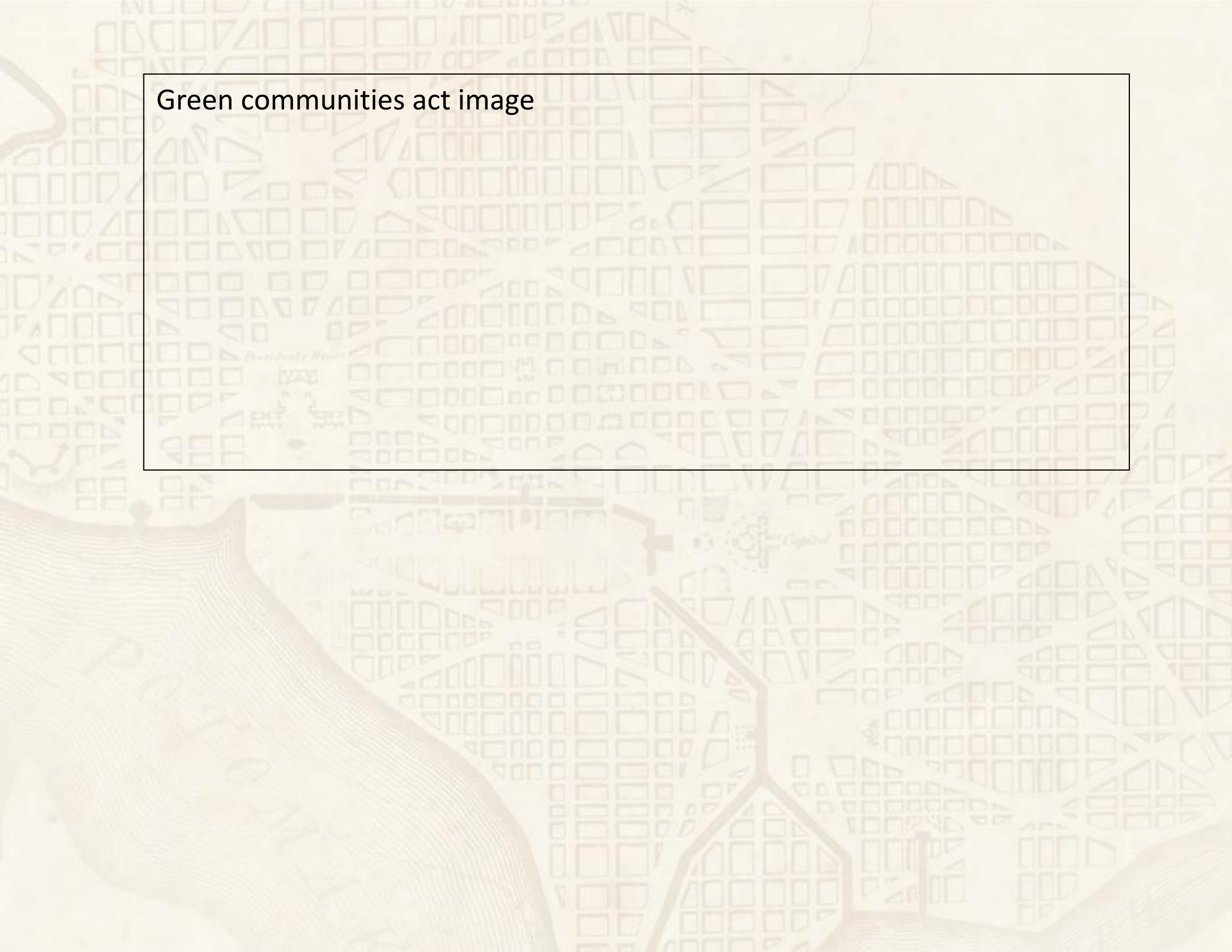




GWSA – Global Warming Solutions Act act image



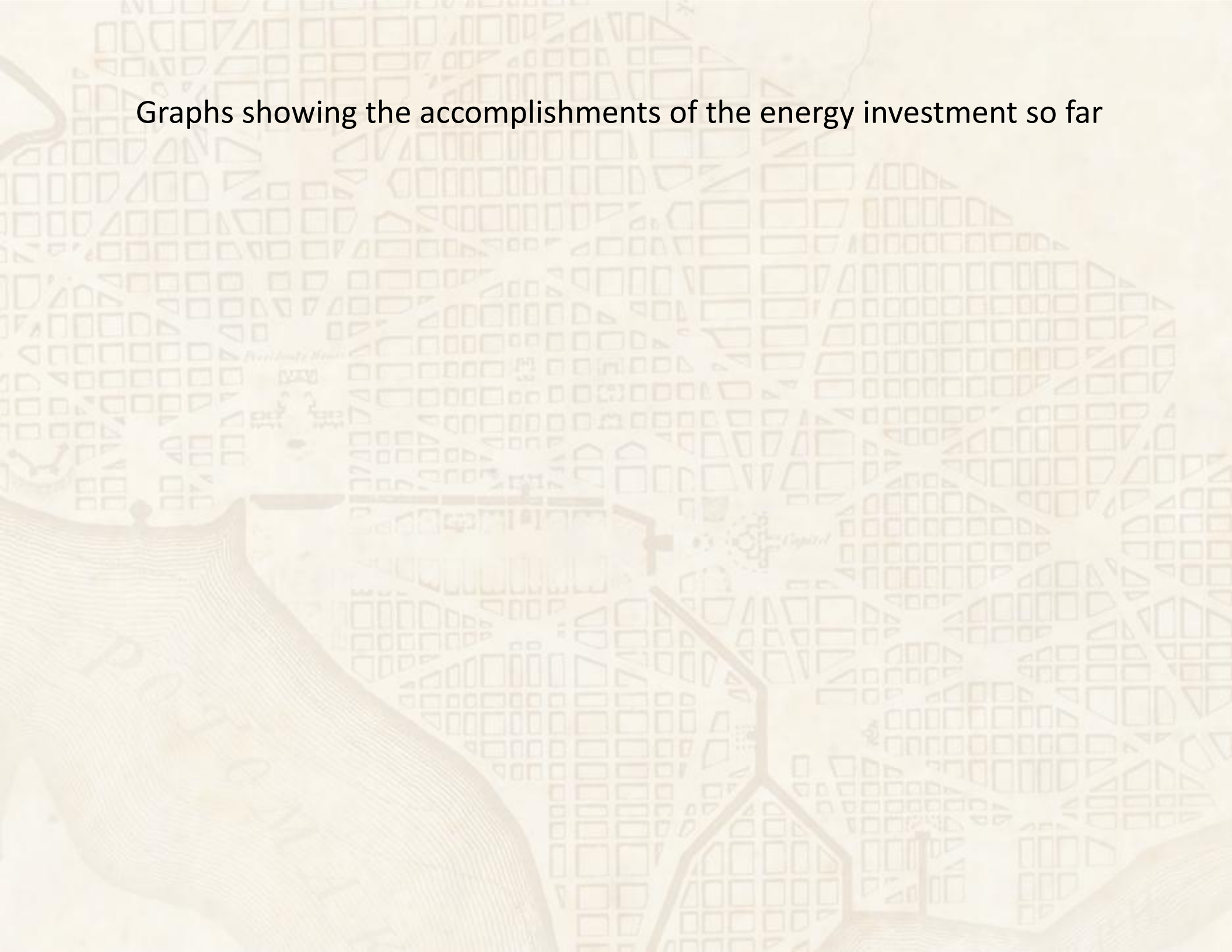
Green communities act image



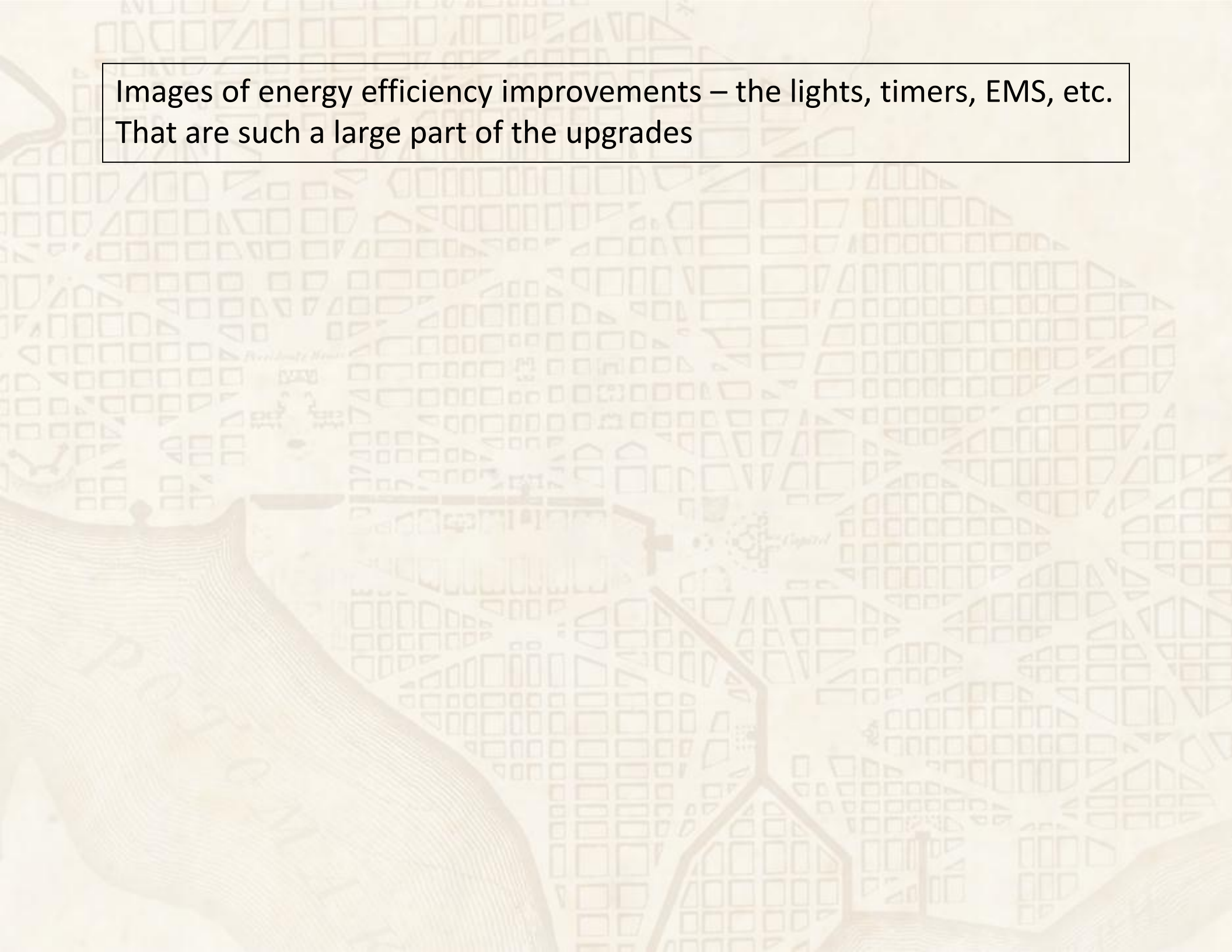
ACEEE #1 scorecard

ARRA image

Graphs showing the accomplishments of the energy investment so far



Images of energy efficiency improvements – the lights, timers, EMS, etc.
That are such a large part of the upgrades





Getting to Zero

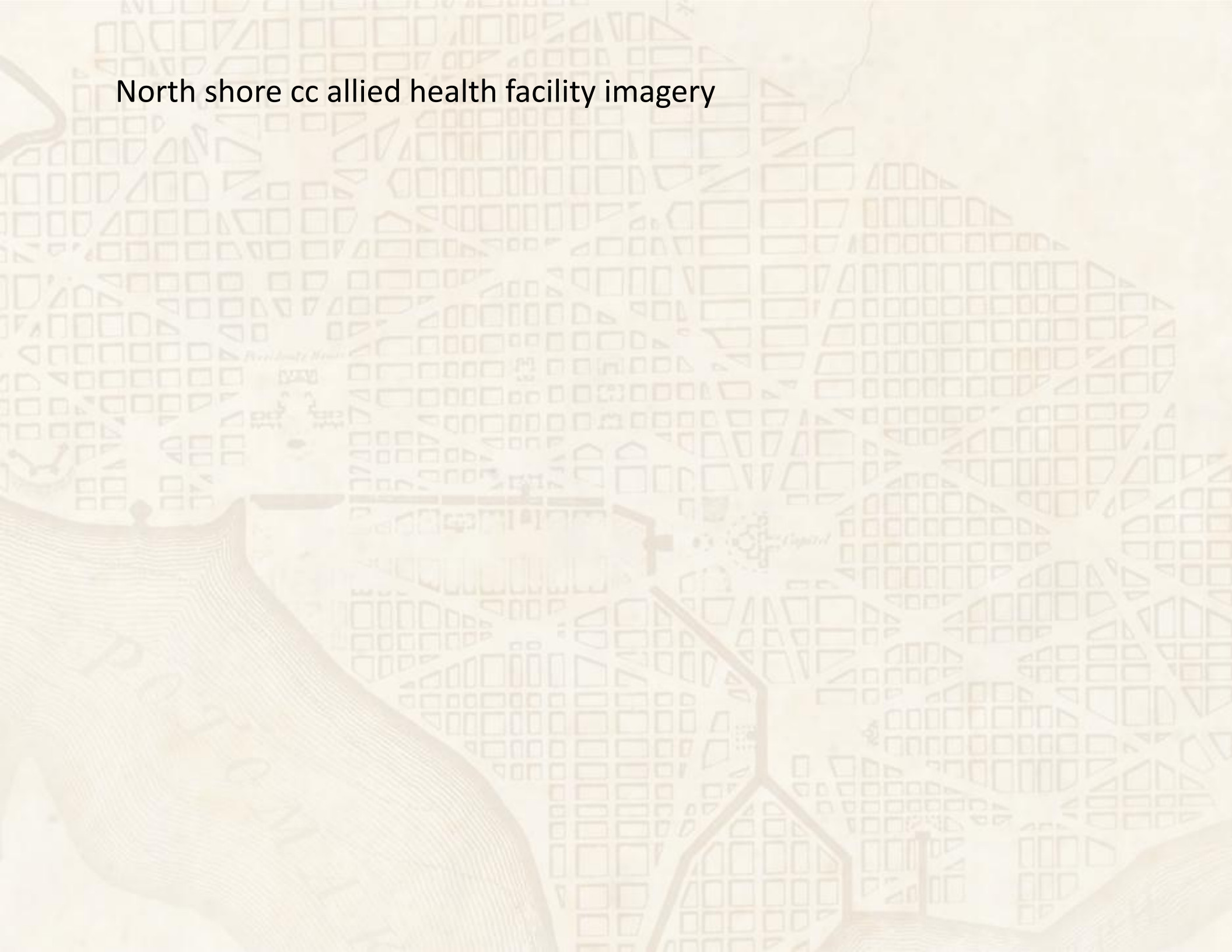
**Final Report of the Massachusetts
Zero Net Energy Buildings Task Force**

March 11, 2009

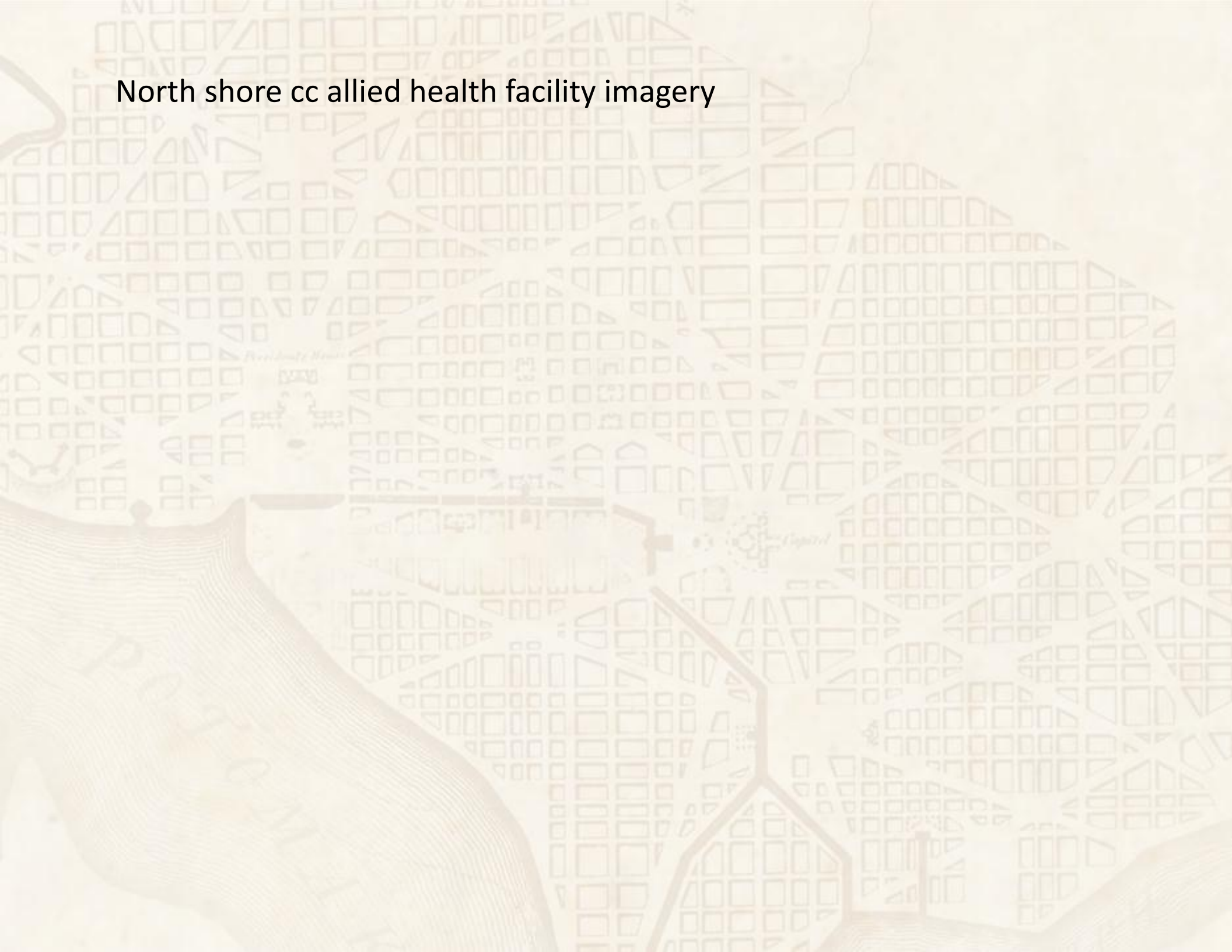
North shore CC Allied Health facility imagery



North shore cc allied health facility imagery



North shore cc allied health facility imagery



DFW imagery



DFW imagery

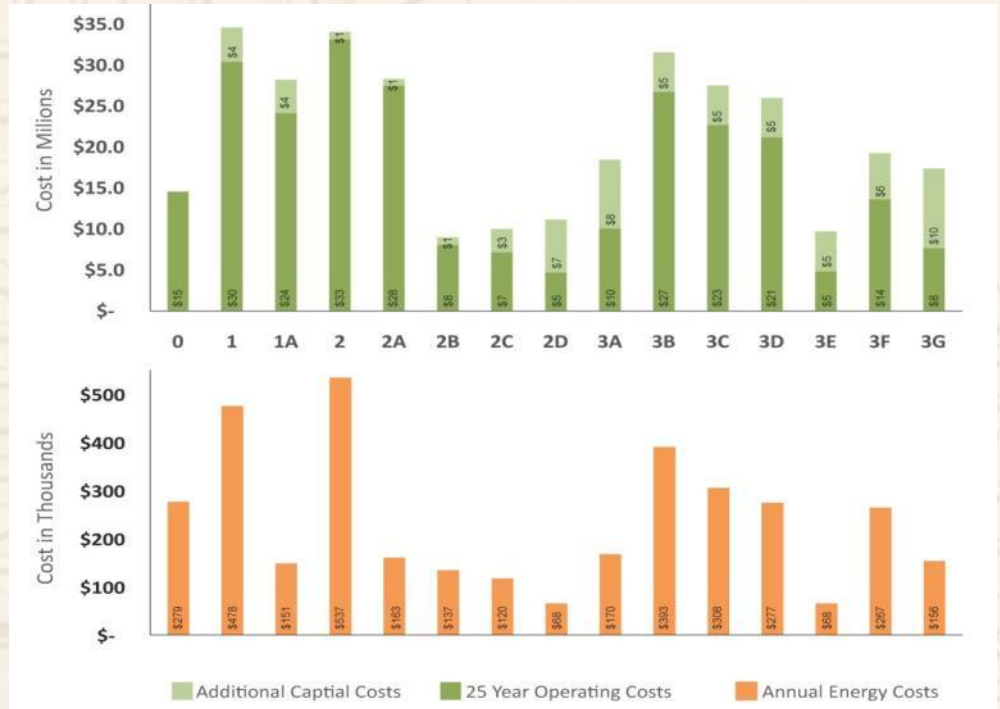


DFW imagery

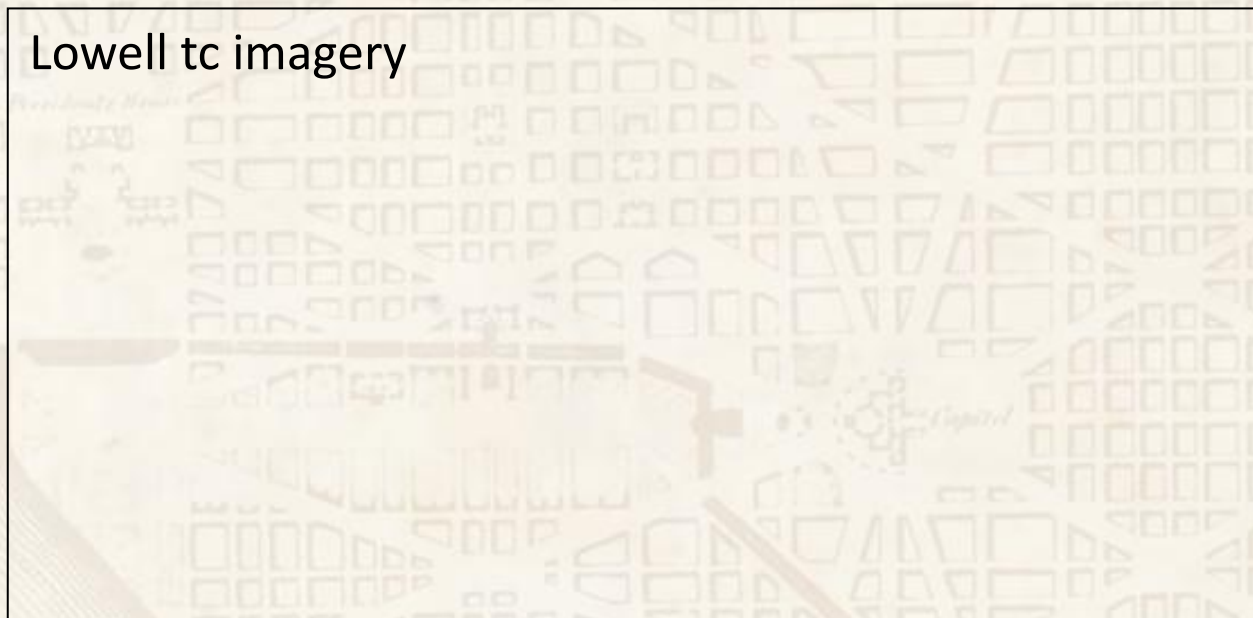


Options Considered

	0	1	1A	2	2A	2B	2C	2D	3A	3B	3C	3D	3E	3F	3G
Solar Wall															
Photovoltaics															
Solar Thermal															
Wood Chip CHP															
Wood Pellet CHP															
Biodiesel CHP															
Natural Gas CHP															
Wood Chip Boiler															
Wood Pellet Boiler															
Biodiesel Boiler															
Natural Gas Boiler															
Boott Hydro															
GSHP															
	Minimal Energy	Everything	Biodiesel	With Gas CHP											

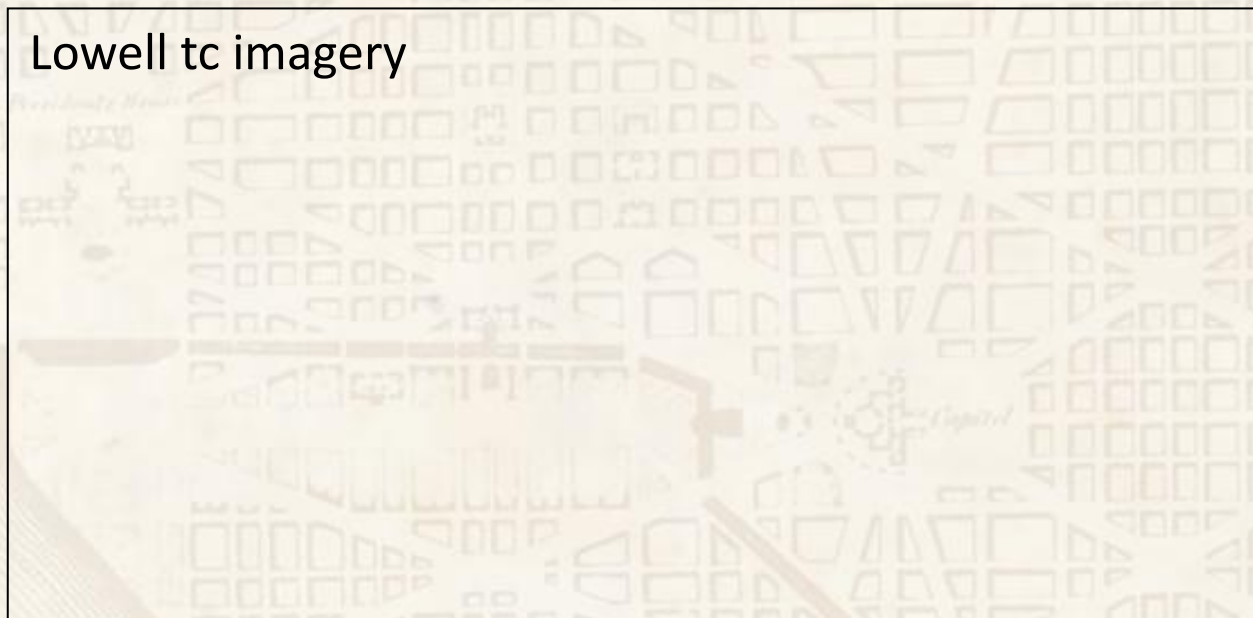


Lowell tc imagery





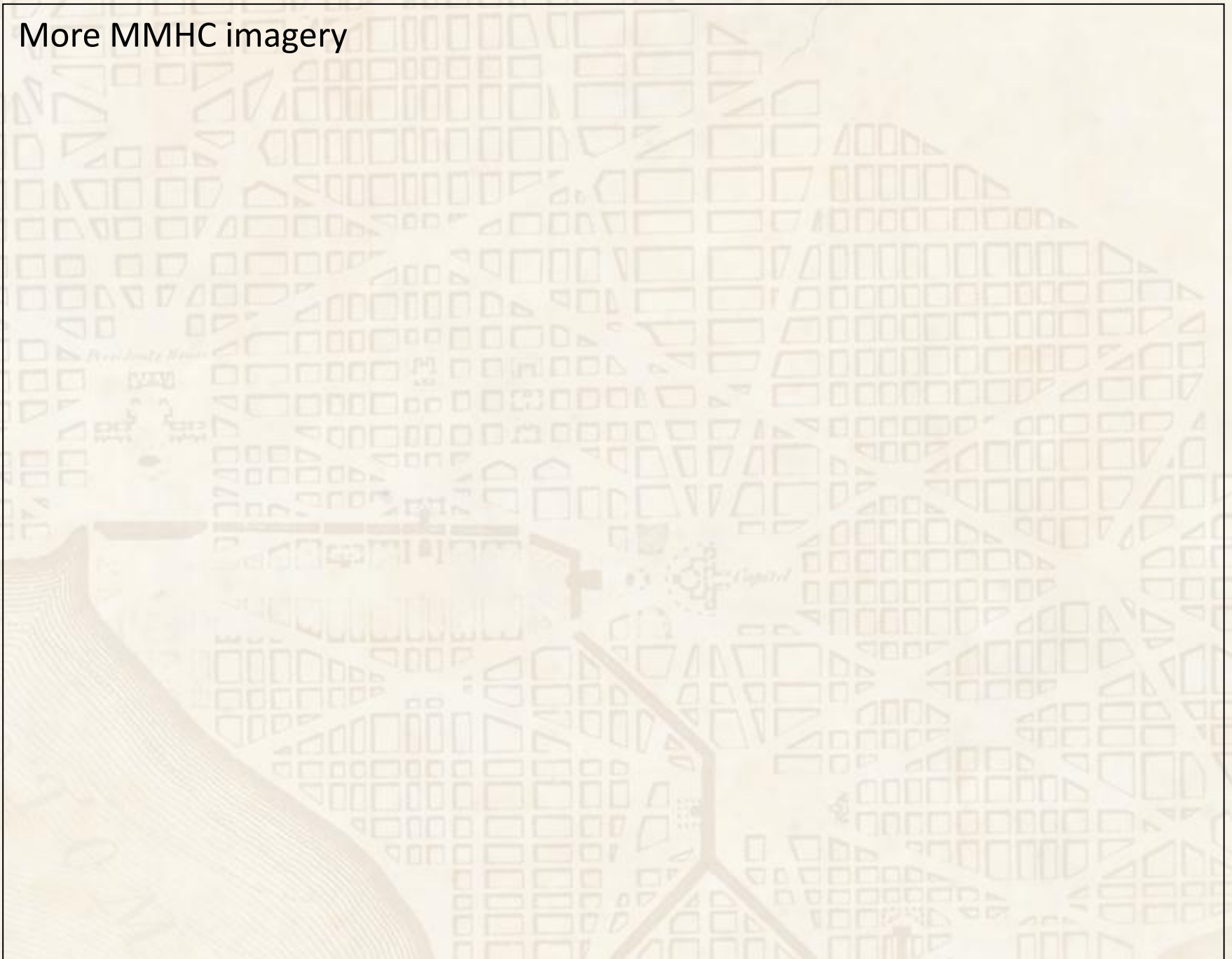
Lowell tc imagery

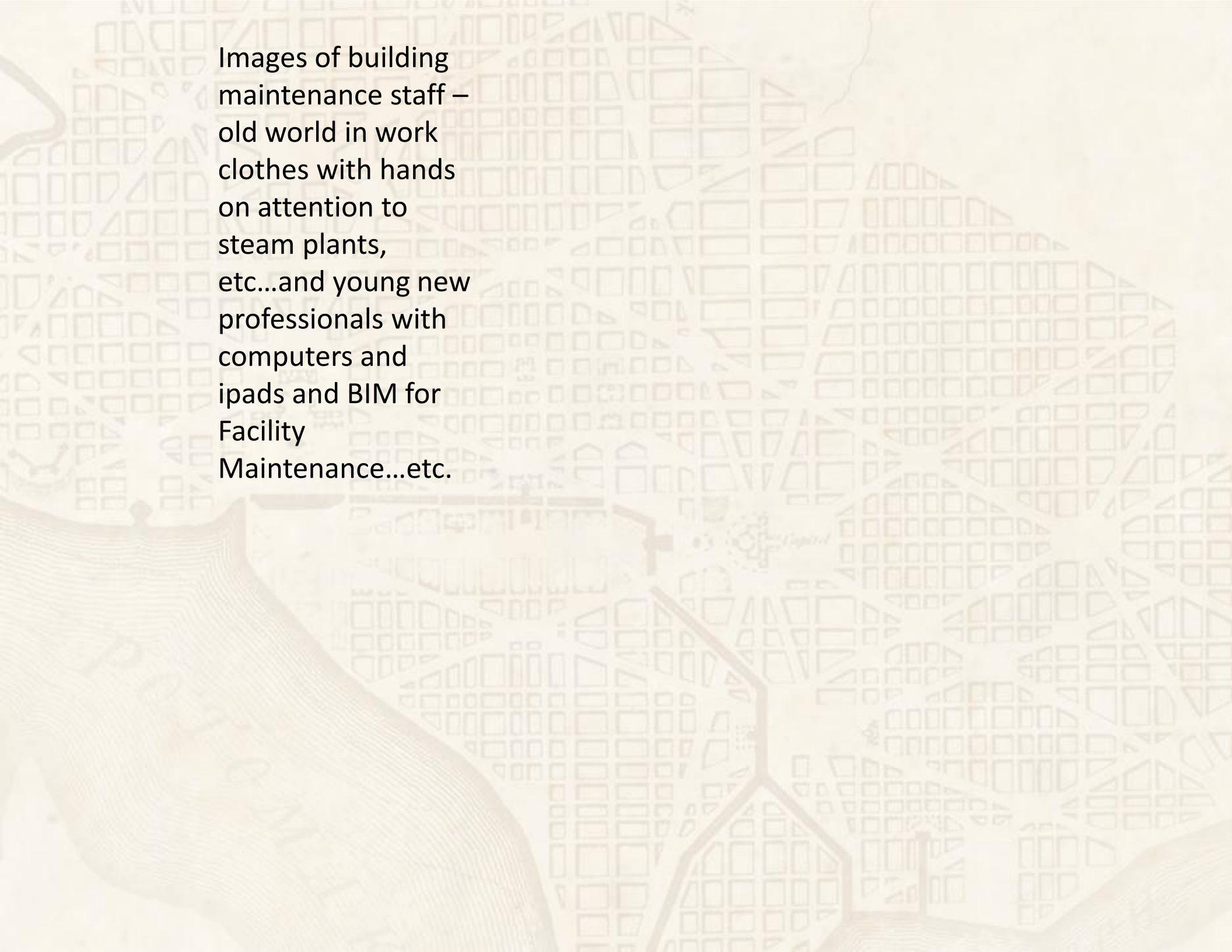


MMHC imagery original building –
juxtaposed with new



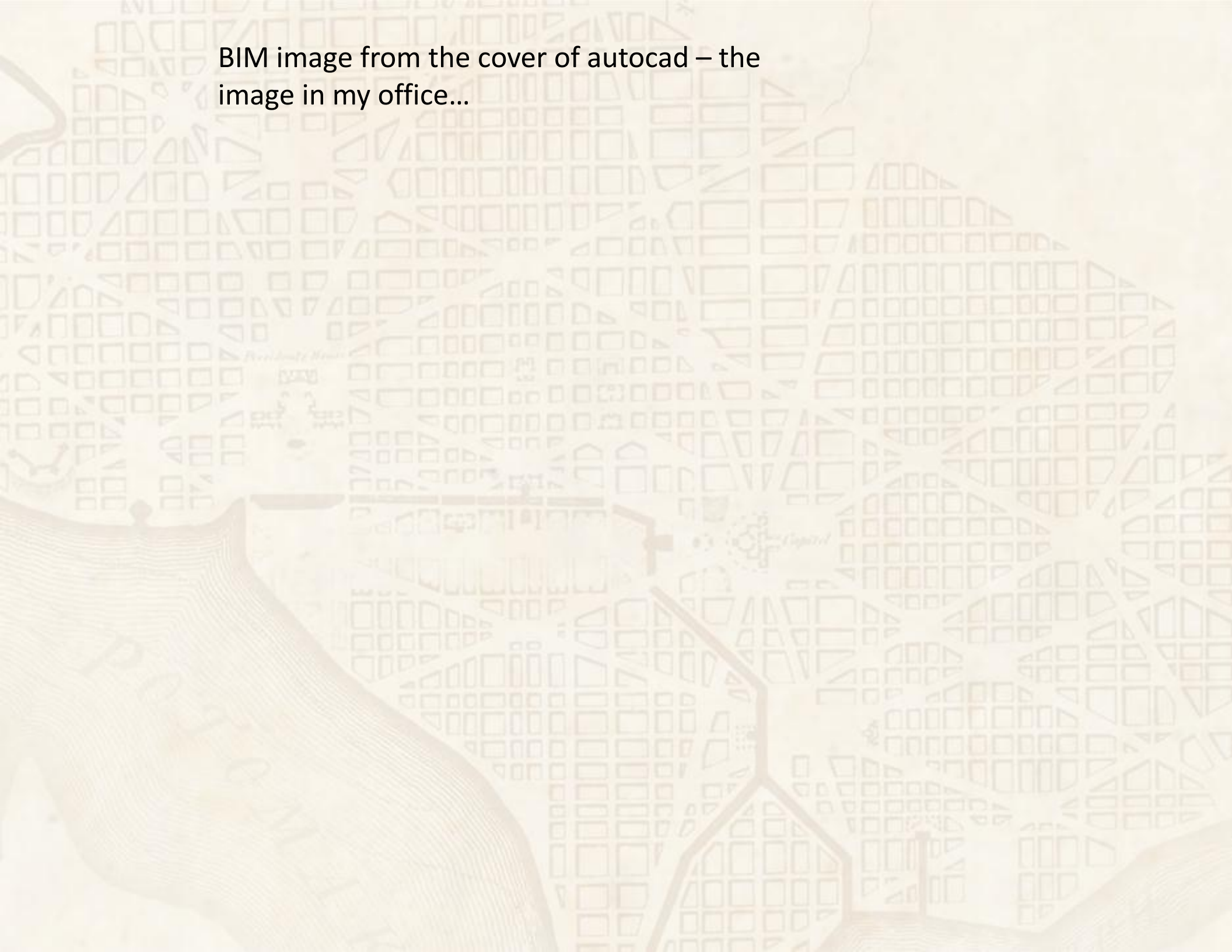
More MMHC imagery



The background of the slide is a light-colored, stylized map of Portland, Oregon. The map shows the city's grid-like street pattern, major highways, and the surrounding water bodies (the Willamette River and the Columbia River). The text is overlaid on the left side of the map.

Images of building
maintenance staff –
old world in work
clothes with hands
on attention to
steam plants,
etc...and young new
professionals with
computers and
ipads and BIM for
Facility
Maintenance...etc.

BIM image from the cover of autocad – the
image in my office...



The New York State Unified Court System

日本語を話される方へ
한국어를 하시는 분께
Telling you that you are not alone
আপনার ভাষায়
Higangitay kani kang isang ibang
ଆପଣଙ୍କ ଭାଷାରେ
ਅੱਜ ਤੁਹਾਡੀ ਭਾਸ਼ਾ ਧਿਆਨ ਹੈ
අපි ਤੁਹාਡੀ භාෂා අවධානය යොමු
हम आपकी भाषा ध्यान में
ہم آپ کی زبان بولتے ہیں
ہم زبان شما میں ہوں
نتكلم لغتک
בדי יעקב מדינת ישראל
אנו מדברים בשפתך
Мы говорим на вашем языке

We speak your language

ARI POINCHILIKMO BAHIRO MOHOMI

Not verbin limba sa

MOHOMY THOM JEZYKEM

Govorimo vaš jazyk

Ne e Hasim gjuhen tvoj

MIAAME TI FAIXA XAZ

Parliamo la vostra lingua

Nós falamos a sua língua

Hablamos su idioma

Nous parlons votre langue

Tá do theanga againn

Deu pole lang ou e

Déeg nañu sa likk



www.nycourts.gov/courtinterpreter

For Court Interpreter Information

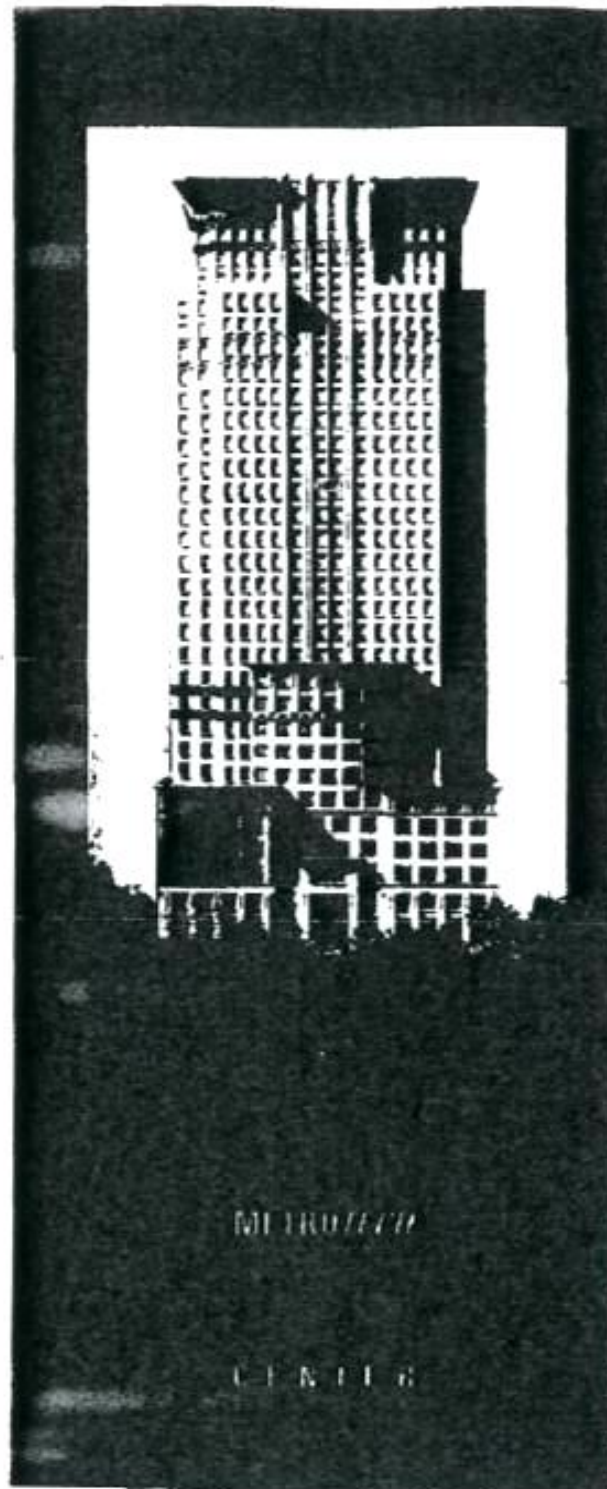
Please Go To Room:

13.6

D



p



We're the only
site in the City with
one million square feet
fully approved and ready
to be constructed.

It's right next door
to the five million feet
of high-tech space
we've already built.

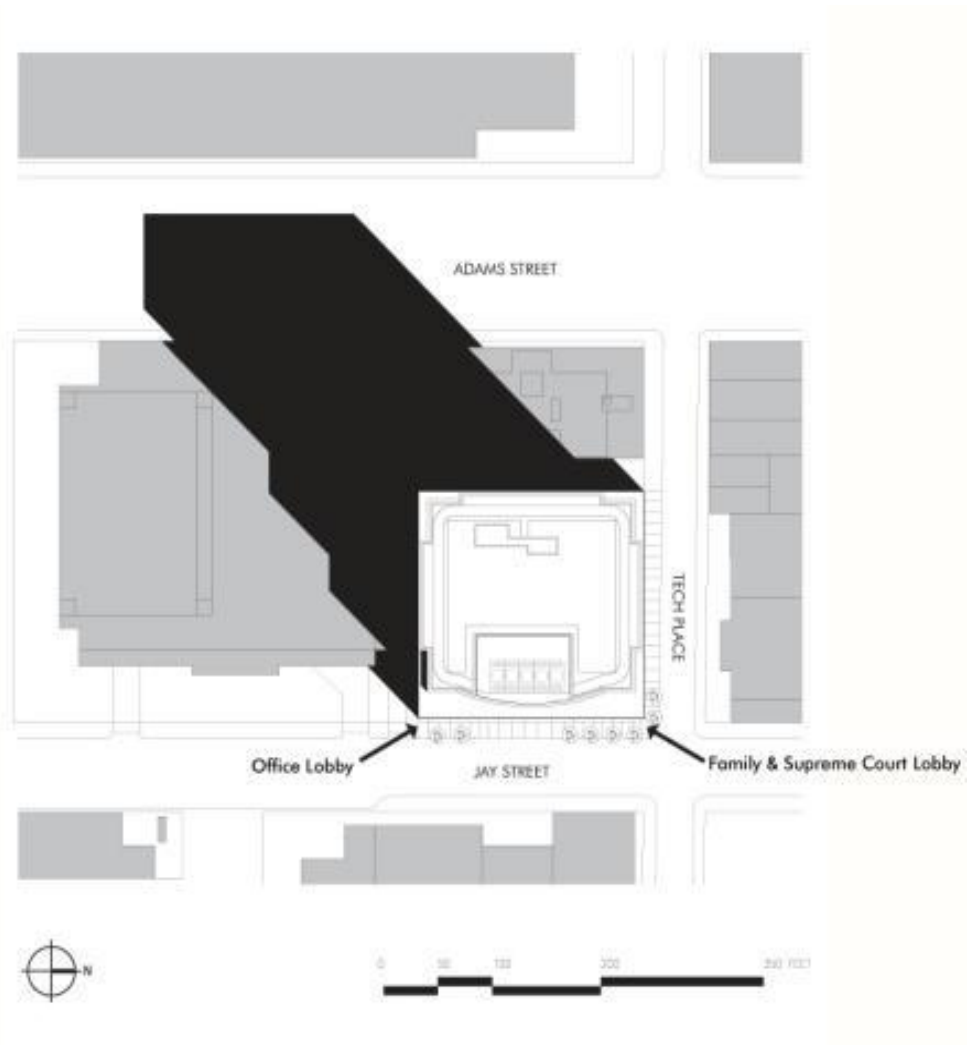
At about 30 percent less than
you'd pay elsewhere.

More fiber optics.
More microwave transmission.
More everything.
Custom-built to your most
exacting standards.

And great neighbors:
Chase, Bear Stearns, Morgan Stanley,
SIAC, and Goldman Sachs, among others.

**A FOREST CITY RATNER
DEVELOPMENT**

To learn more,
call James P. Struckey, 718.722.3500



Criminal Courthouse in “*premiere corporate/academic*” community is
“*inconsistent with sound economic development policy.*”

Courthouse should be sited in area “*unable to attract substantial private investment.*”

- Opponents of Courthouse Project

The background of the slide is a grayscale photograph of a city street. On the left, there is a row of older, multi-story brick buildings with many windows. In the center and to the right, a very tall, modern skyscraper with a grid-like facade of windows rises into the sky. The sky is a uniform light gray.

Objectives

- Developer Project
- Debt Not on City's Books
- Project Eligible for State Subsidy

Solutions

- Commercial Condominium
- Financed by Local Development Corporation
- Lease with Option to Purchase





COMMERCIAL

COURTS



Public Private Partnerships: Why P3?

- Reduce risk
- Manage capital obligations
- Reduce project durations

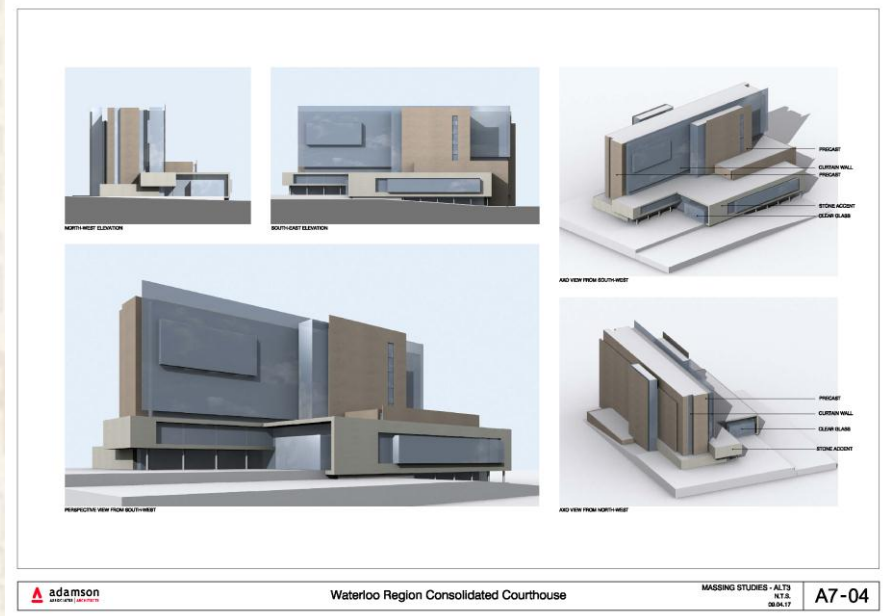
What is P3?

- Many different formulas
- Integrated Project Delivery teams
 - design build
 - design build finance maintain
 - design build finance maintain operate
- Can be turnkey or lease

How are teams selected?

- Low price
- Best value
- Qualifications only with GMP
- Cost over time outweighs first cost
- Capitalizes energy savings

Ontario Model



British Columbia model



California model



New Hampshire



Connecticut



GSA Design Excellence



New York



AIA 2012

NATIONAL CONVENTION
AND DESIGN EXPOSITION

MAY 17-19
WALTER E. WASHINGTON
CONVENTION CENTER
WASHINGTON, D.C.



THE AMERICAN
INSTITUTE
OF ARCHITECTS

DESIGN
CONNECTS

Speakers

- Frank J. Greene, FAIA
- Elizabeth Minnis, AIA
- Ron Yunkins, Esq.

AIA 2012

NATIONAL CONVENTION
AND DESIGN EXPOSITION

MAY 17-19
WALTER E. WASHINGTON
CONVENTION CENTER
WASHINGTON, D.C.



DESIGN
CONNECTS

Contact Information

- Frank J. Greene, FAIA frank@riccigreene.com
- Elizabeth Minnis, AIA liz.minnis@dcp.state.ma.us
- Ron YOUNKINS, Esq. ryounkin@courts.state.ny.us