NEC UPDATE

The Velocity of Change

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“Our Town” Conference - Newark, DE
NEC Region Today

- 17% of population, 20% of GDP, 2% of land area

The Region

The Need

Our Plan

1 out of every 6 citizens (50 mil)

4 of the 10 largest metro areas
NEC Network

CORRIDOR STATS

- 457 miles/735 km
- 150 daily Amtrak trains
- 2,050 daily commuter trains
- 50-70 freight trains
- More than 260 million riders annually

12 States + DC – Amtrak, 8 commuter, 4 freight operators
The Corridor Capacity Challenge

Projected NEC capacity situation, 2030

Exceeding capacity by 2030

Master Plan – Est. $52 Billion over 25 years
# Multi-Modal Congestion

## The Region

- 7 of 10 top airports for delays located in Northeast
- Degradation of competing modes
  - I-95 / connecting interstates among worst in nation

## The Need

## Our Plan

## Top Ten Airports for Arrival Delays, 2011

<table>
<thead>
<tr>
<th>Rank</th>
<th>Airport</th>
<th>Delay %</th>
<th>Average delay (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Newark</td>
<td>34%</td>
<td>66.1</td>
</tr>
<tr>
<td>2</td>
<td>San Francisco</td>
<td>30%</td>
<td>63.3</td>
</tr>
<tr>
<td>3</td>
<td>LaGuardia</td>
<td>29%</td>
<td>62.3</td>
</tr>
<tr>
<td>4</td>
<td>Boston</td>
<td>28%</td>
<td>59.6</td>
</tr>
<tr>
<td>5</td>
<td>John F. Kennedy</td>
<td>27%</td>
<td>64.8</td>
</tr>
<tr>
<td>6</td>
<td>Chicago O'Hare</td>
<td>25%</td>
<td>68.7</td>
</tr>
<tr>
<td>7</td>
<td>Philadelphia</td>
<td>24%</td>
<td>57.9</td>
</tr>
<tr>
<td>8</td>
<td>Washington Reagan</td>
<td>23%</td>
<td>52.8</td>
</tr>
<tr>
<td>9</td>
<td>Ft. Lauderdale</td>
<td>23%</td>
<td>52.5</td>
</tr>
<tr>
<td>10</td>
<td>Washington Dulles</td>
<td>22%</td>
<td>61.9</td>
</tr>
</tbody>
</table>

*Source: USDOT, Bureau of Transportation Statistics. NEC-served locations highlighted in red.*
The shift toward density

### Percentage of building permits issued by the city at the core of a metro region

<table>
<thead>
<tr>
<th>Area</th>
<th>Early 1990s</th>
<th>2003-2009 Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York, NY</td>
<td>15%</td>
<td>48%</td>
</tr>
<tr>
<td>Portland, OR</td>
<td>9%</td>
<td>26%</td>
</tr>
<tr>
<td>Chicago, IL</td>
<td>7%</td>
<td>27%</td>
</tr>
<tr>
<td>Philadelphia, PA</td>
<td>3%</td>
<td>13%</td>
</tr>
<tr>
<td>Baltimore, MD</td>
<td>2%</td>
<td>9%</td>
</tr>
<tr>
<td>Washington, DC</td>
<td>1%</td>
<td>6%</td>
</tr>
</tbody>
</table>


The Region

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Our Plan

By year 2050

- 10-20 million more residents in Northeast
- 152 million (60%) more passenger trips
  - 260 mil in 2012
  - 412+ mil in 2050
Global Competition

The Region

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Our Plan

• 158 (37%) of Fortune 500 headquarters in Northeast states

• New York a global center of finance, media, health care, culture, fashion
  – #1 international financial center in 2011 -Xinhua-Dow Jones study

• Universities and Colleges
  – Over 700 colleges & universities in Northeast

Source: Wikimedia Commons
Three Linked Strategies

- NEC upgrade and ARRA Programs (all services)
- Next Generation High Speed Rail System Vision
- Tier I Multi-state EIS
Shared Vision

Amtrak

- NEC / HSR Vision
- Agreements / Services
- Project Implementation

 NEC Commission
- Broader States voice
- States / FRA / Amtrak members
- Development of coordinated plans and costing for NEC

FRA / Federal Gov’t.
- Policy Guidance / Funding
- Grants to states / Amtrak
- “NEC FUTURES” Tier I EIS and project NEPA actions

The Region

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Our Plan
Building a world-class transportation system is part of what made us an economic superpower.
—President Barack Obama, September 8, 2011
The Region
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HSIPR / TIGER GRANTS - EAST

- 49 Projects in all categories
- $1.7 Billion on NEC Spine
- $ .8 Billion on State Corridors
- $2.5 Billion Total

Velocity of change increased

State Corridors
- Downeaster
- Inland Route (Fut)
- Conn River Line
- VT Western Cor.
- Empire
- Keystone
- EasternShore (Fut)
- SEHSR
NextGen Features

- Very high speeds (200-220 mph)
- Dedicated new alignment and operation
- Shaped through Tier I process and Finance & Business Plan
Signature Projects

Boston

New York

“World Class” Terminals

Washington

The Region

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Programmatic EIS

Phased Evaluation Of Alternatives

Phase 1
Purpose & Need
Stakeholder Outreach
Data Collection
Scoping
Preliminary Alternatives Development

2012

Phase 2
Reasonable Alternatives Development
Environmental Resource Evaluation
Draft EIS
Draft Service Development Plan

Phase 3
Final EIS
Record of Decision
Final Service Development Plan

2015

The Region
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Our Plan
The Velocity Challenge

CAPITAL SPEND PLAN
(Prior to Re-profiling)

Source: KPMG F&BP
Paradigm Shift

- Shared vision / commitment to achieve it
- Predictable funding stream
- Right institutional structure

Velocity of change must increase

The Region
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Our Plan
The Benefits

• Transformational intercity, commuter and freight service for the 21st Century
• Generates roughly 100,000 new jobs over construction period.
• A globally competitive economic and mobility powerhouse
Thank You
For Your Time