



NEC UPDATE

The Velocity of Change

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"Our Town" Conference - Newark, DE

Overview



The Region

The Need

Our Plan



NEC Region Today



The Region

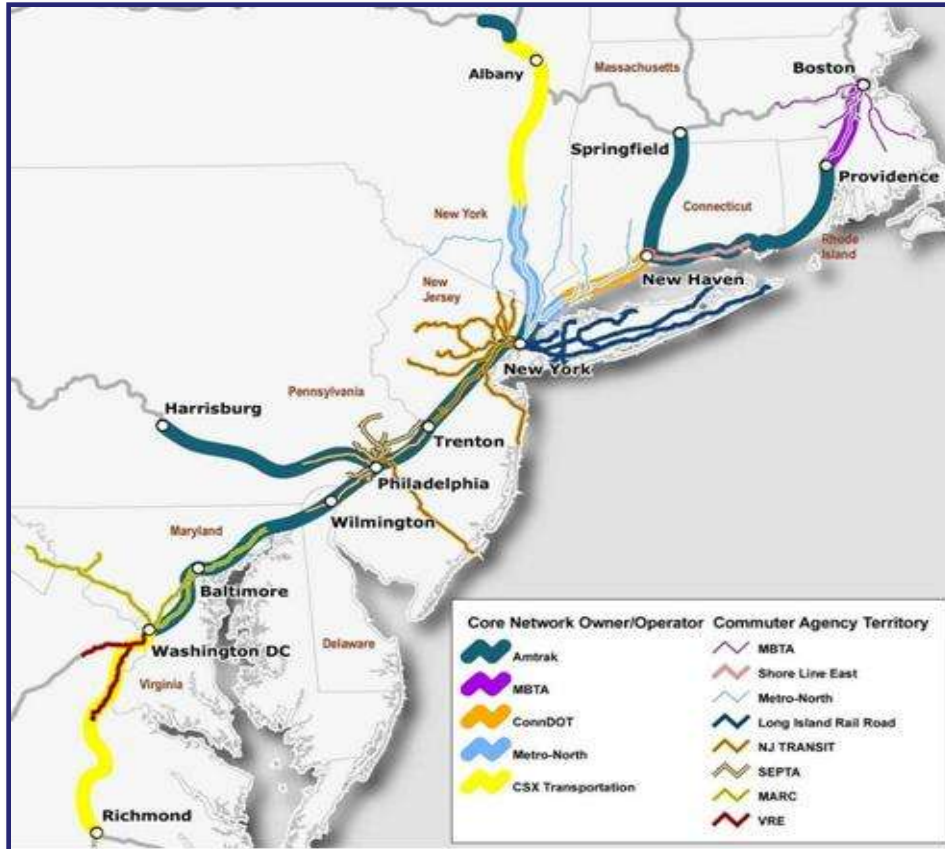
The Need

Our Plan

- 1 out of every 6 citizens (50 mil)
- 4 of the 10 largest metro areas

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

NEC Network



12 States + DC – Amtrak,
8 commuter, 4 freight operators

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CORRIDOR STATS

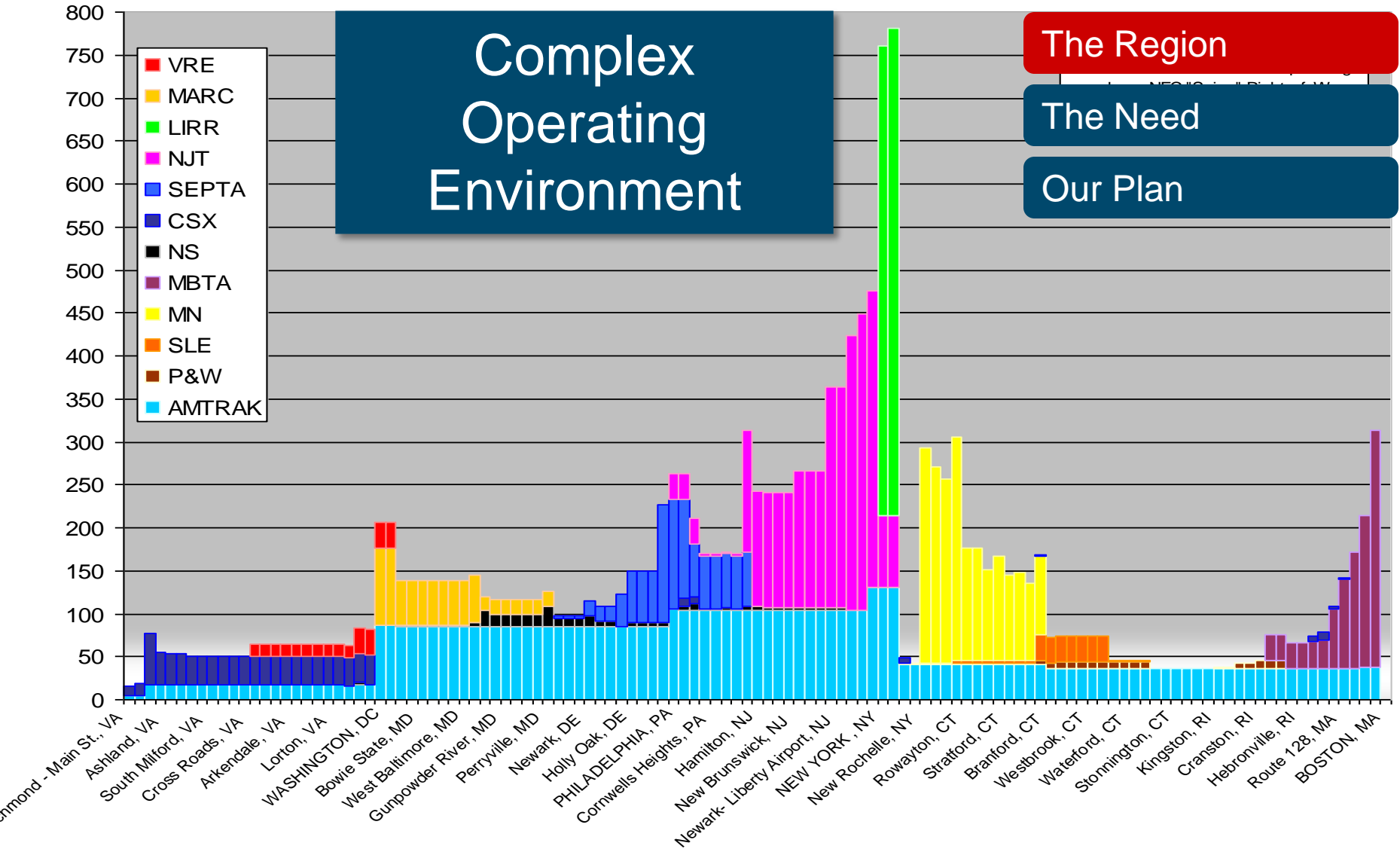
- 457 miles/735 km
- 150 daily Amtrak trains
- 2,050 daily commuter trains
- 50-70 freight trains
- More than 260 million riders annually

NEC Operations



Complex Operating Environment

- The Region
- The Need
- Our Plan



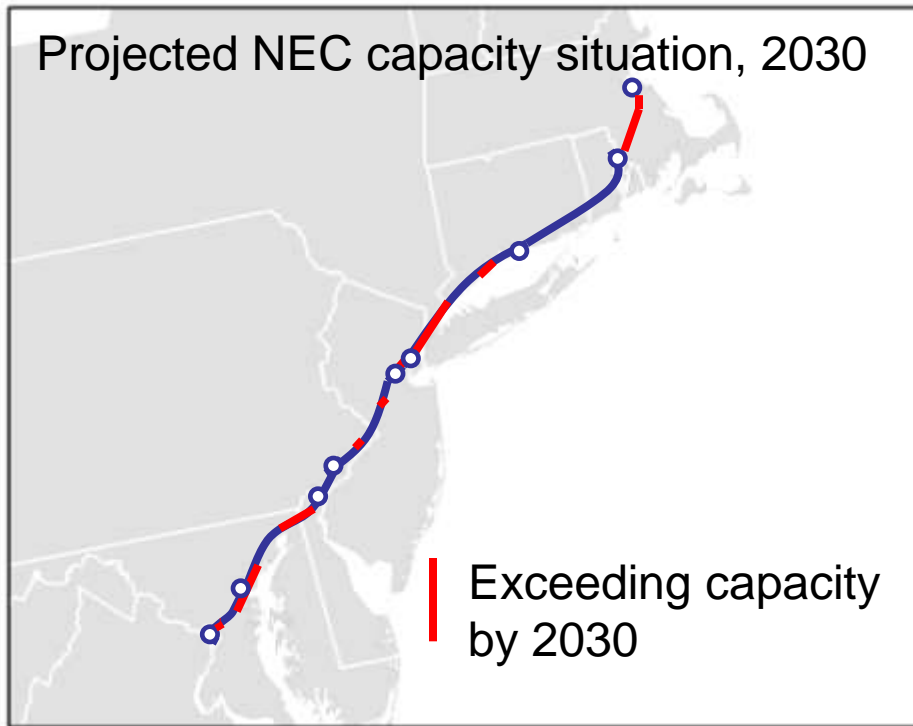
The Corridor Capacity Challenge



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Master Plan –
Est. \$52 Billion
over 25 years

Station Limitations

Multi-Modal Congestion



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Top Ten Airports for Arrival Delays, 2011

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

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

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

Area	Early 1990s	2003-2009 Average
New York, NY	15%	48%
Portland, OR	9%	26%
Chicago, IL	7%	27%
Philadelphia, PA	3%	13%
Baltimore, MD	2%	9%
Washington, DC	1%	6%

Source: EPA, *Residential Construction Trends in America's Metropolitan Regions*, 2010

The Region

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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



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- 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

Building for the Future



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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

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▪ 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



NEC Upgrade / HSIPR



Niantic
Moveable Br.



Moynihan Sta.
and
B&P Tunnel

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Building a **world-class transportation system** is part of what made us an economic superpower.

—President Barack Obama, September 8, 2011



NEC Upgrade / HSIPR



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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” Program Alignment Analysis



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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

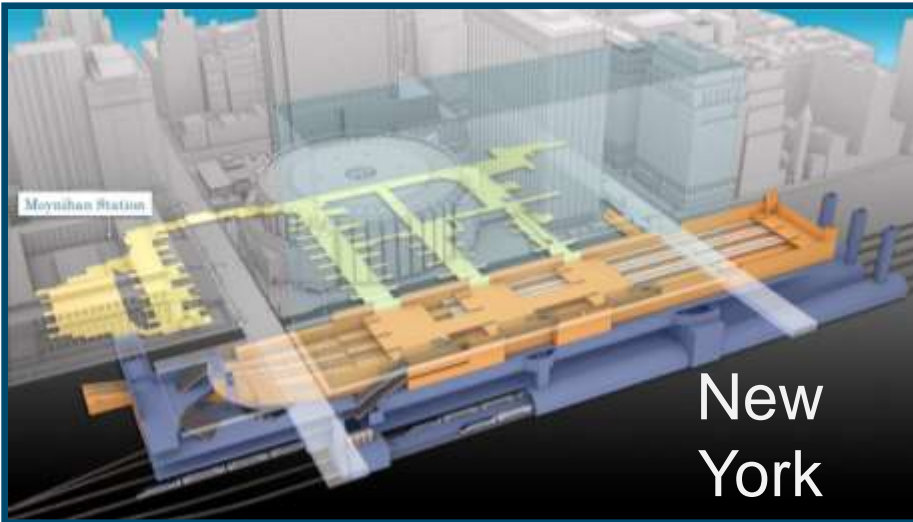


The Region

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*“World Class”
Terminals*



New
York

Washington



Programmatic EIS

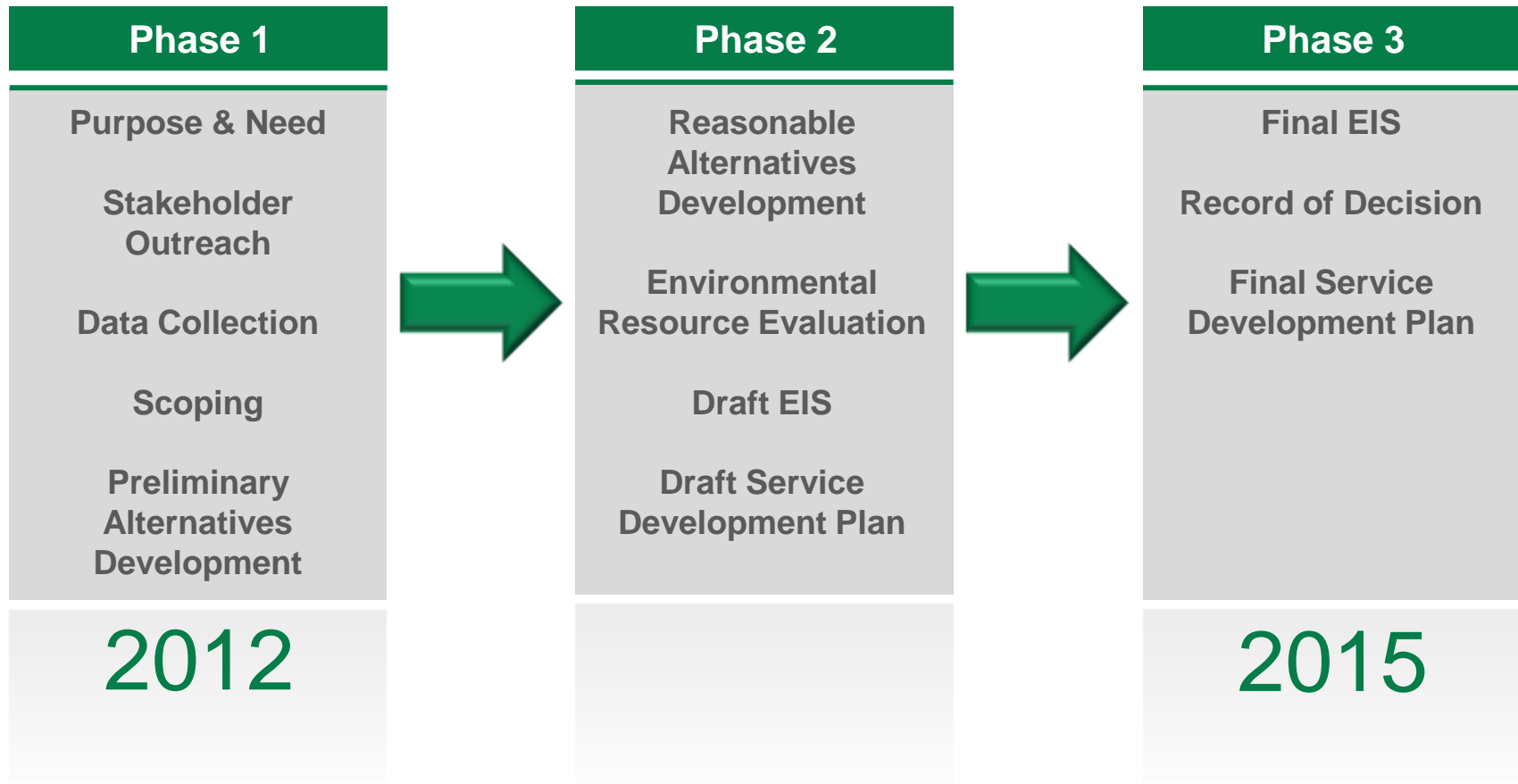


Phased Evaluation Of Alternatives

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The Velocity Challenge

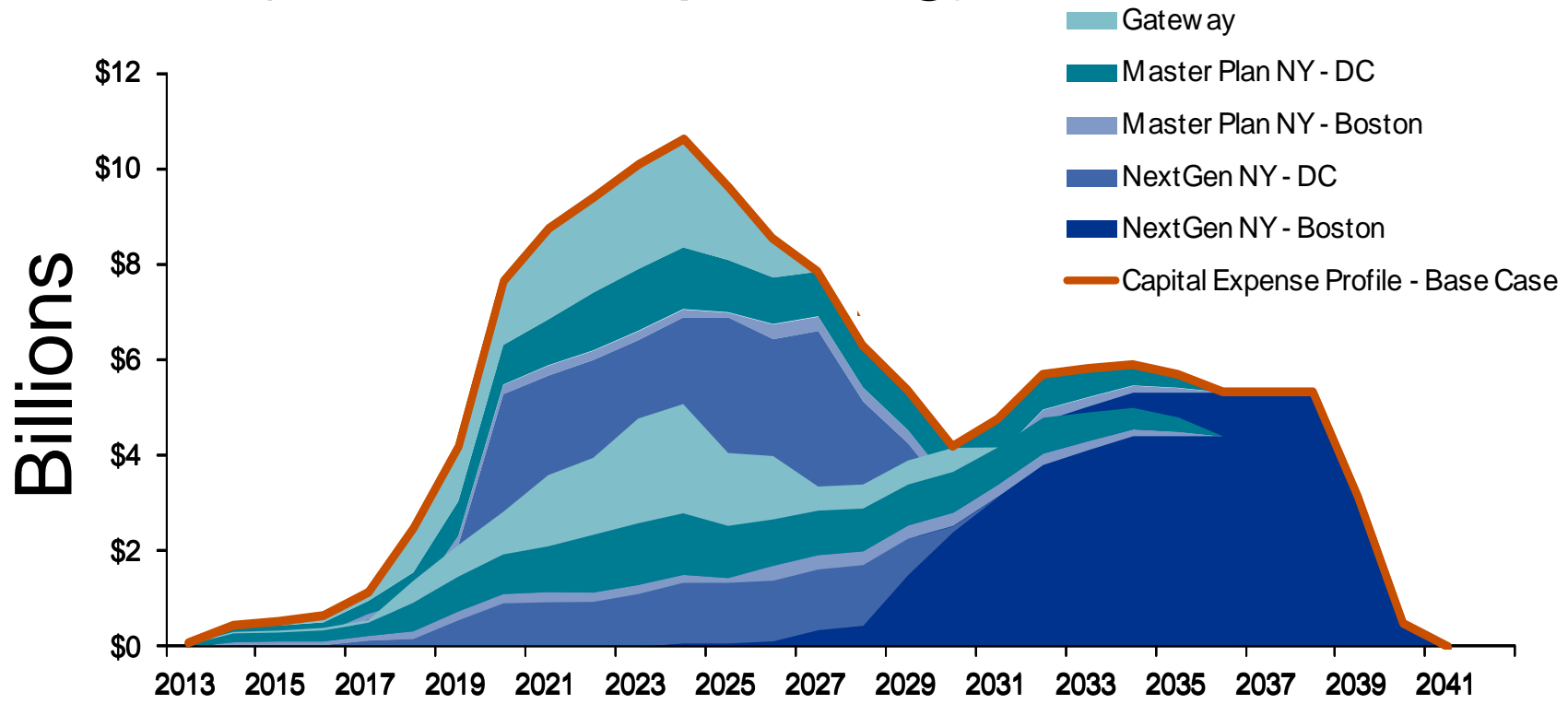


CAPITAL SPEND PLAN (Prior to Re-profiling)

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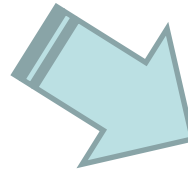


Source: KPMG F&BP

Paradigm Shift



*Velocity of
change must
increase*



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



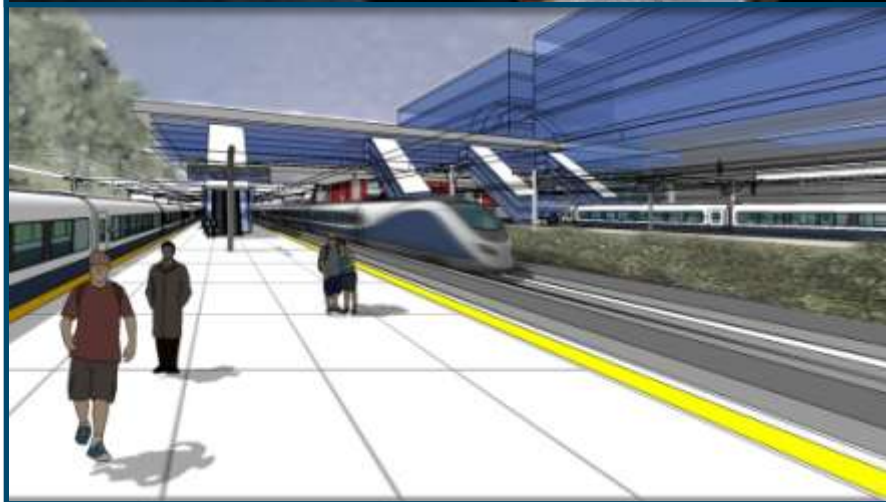
The Benefits



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- 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

