

#### **Overview of Infrastructure**

- Five years ago a theme, today as distinct asset class
- Global listed infrastructure a compelling diversifier
- Lower correlation profile versus global equities
- Easier access and liquidity versus private infrastructure
- Attractive yields within a dearth of yield globally

## Why Invest in Infrastructure?

Why Infrastructure assets are attractive:

- High barriers to entry
- Stable/recurring cash flows
- Less sensitivity to economic cycle
- Some level of pricing power tied to inflation

#### **Infrastructure: From Theme to Asset Class**

- Sustainable services essential to a functioning economy
- Shared Characteristics













### Transitional Infrastructure vs. Nontraditional Infrastructure

**Traditional:** 







**Nontraditional:** 

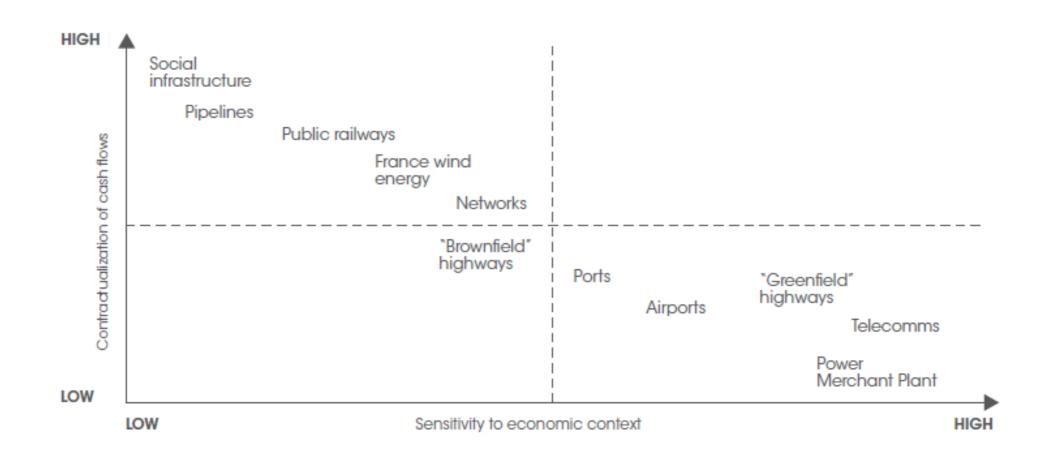








## **Economic Sensitivity & Sustainability of Cash Flow**



## **Example: Contracted Revenue**

- Concession award Public Private Partnership (PPP)
- Multi year contracts
- Fixed/variable toll rates linked to Consumer Price Index (CPI)
- Net Cash Flows directed to equity investors

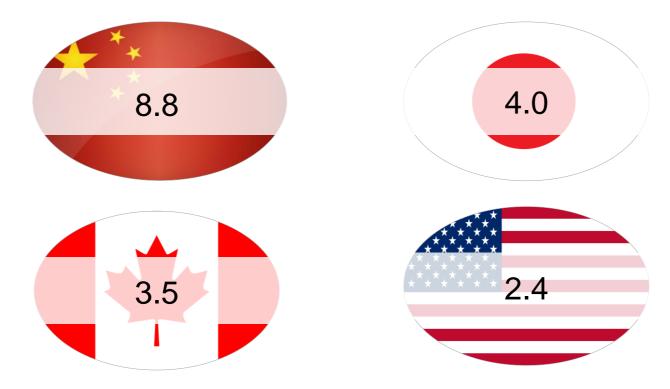


### **Public vs. Private Infrastructure**

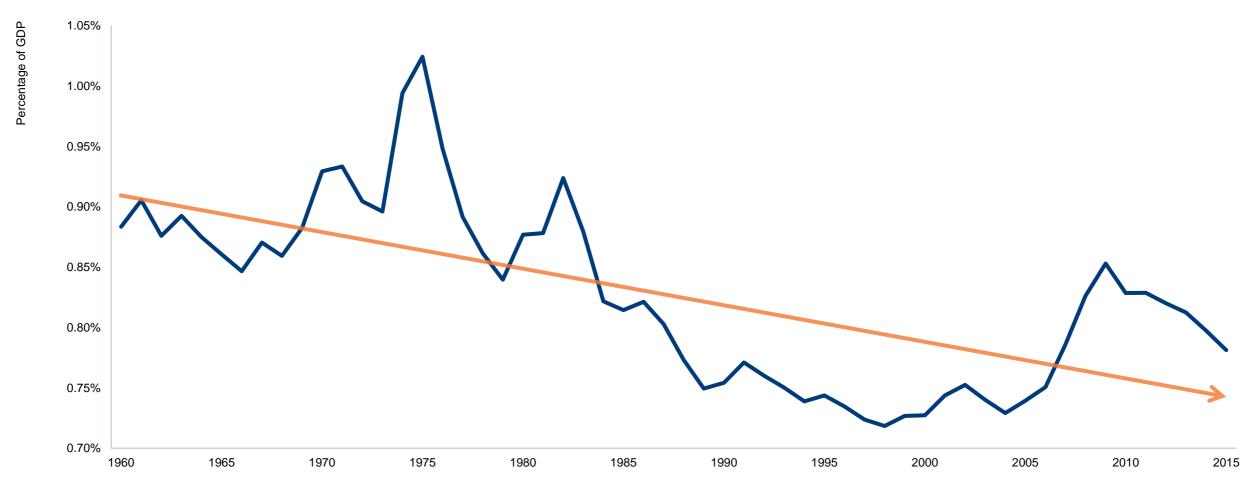
	<b>Publicly Listed Funds</b>	Private Infrastructure Funds
No Lock-Up Period	✓	
Cost Advantage	$\checkmark$	
Uncorrelated to Equities		✓
Dynamic Positioning	✓	

## CASE FOR HIGHER US INFRASTRUCTURE SPEND

## Infrastructure Spending as % of GDP



## **US State and Local Spending on Transportation**



**CYCLICAL + SECULAR + STRUCTURAL = STRONG FUNDAMENTAL TAILWIND** 

Sources: Federal Reserve Economic Data. Note: Government current expenditures: State and local: Economic affairs: Transportation: Highways, Billions of Dollars, Annual, Not Seasonally Adjusted. Note: actual infrastructure spending, 2008-13. NIMNA has reviewed the above research and believes the findings are still valid even without the inclusion of more recent data. See Additional Information in Disclosure Statements. [20111]

### **Bi-Partisan Support for Infrastructure Spending?**

Infrastructure is an issue where President-elect Joe Biden and Senator Mitch McConnell can find some common ground

Larry Willis, president of the AFL-CIO's Transportation Trades Department (Nov 2020)

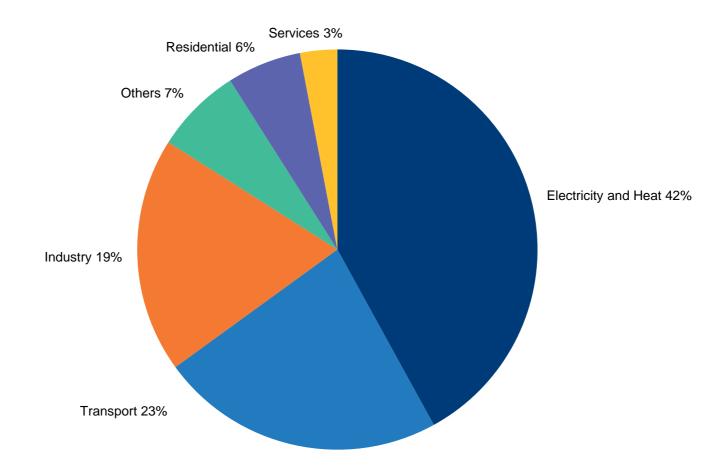
#### **Biden Infrastructure Objectives:**

building and upgrading a cleaner, safer, stronger infrastructure – including smart roads, water systems, municipal transit networks, schools, airports, rail, ferries, ports, and universal broadband access

joebiden.com/clean-energy (Nov 2020)

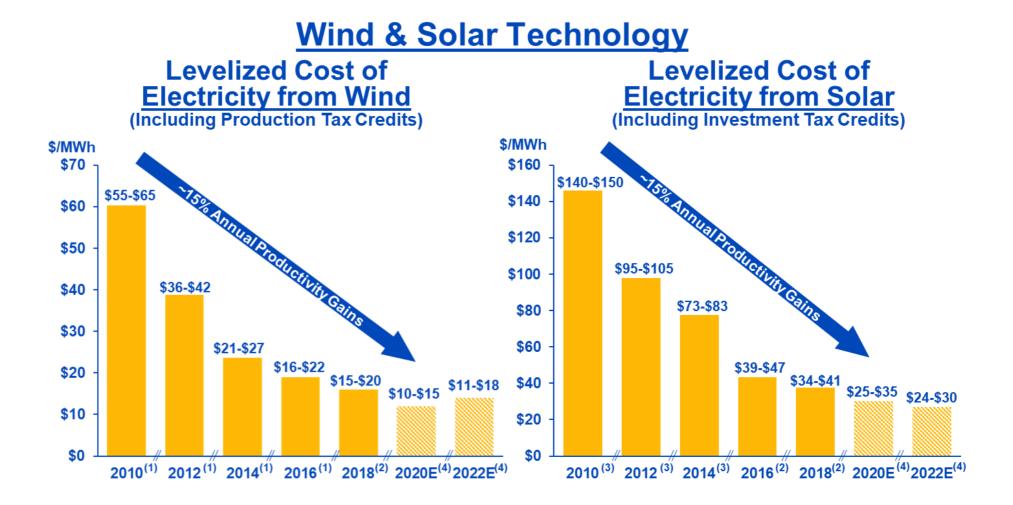
## ENERGY TRANSITION

## **Energy Transition**

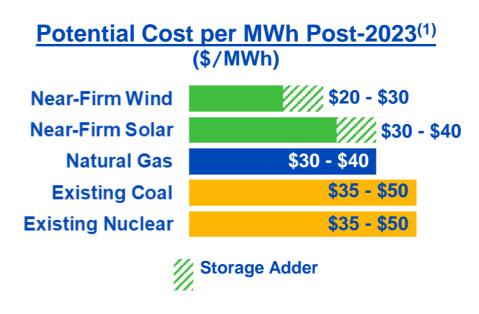


Source: BAML and IEA 2016. NIMNA has reviewed the above research and believes the findings are still valid even without the inclusion of more recent data. See Additional Information in Disclosure Statements. [25065]

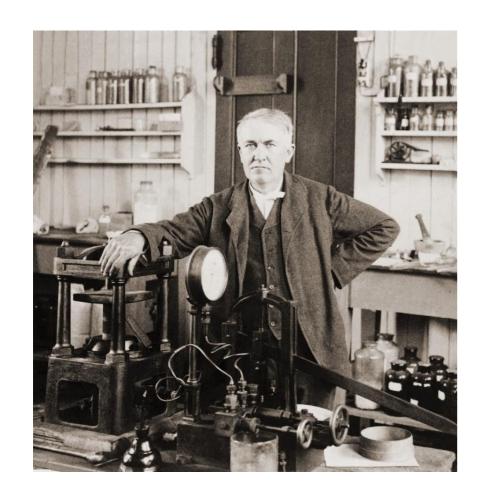
#### **Energy Transition**

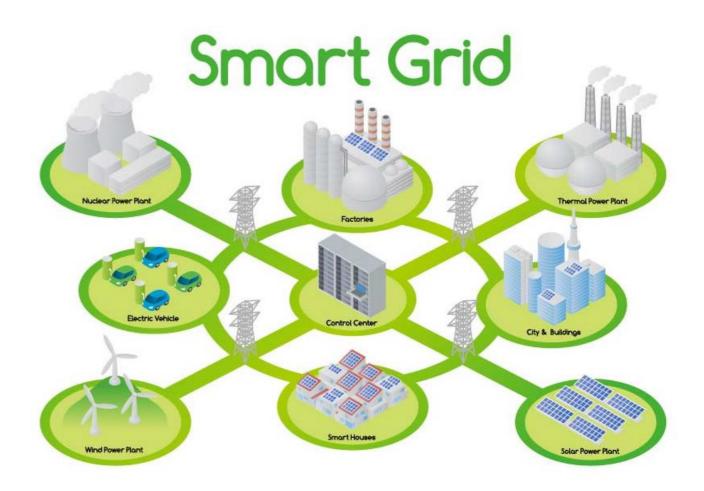


### **Energy Transition**



## **Energy Transition: Grid 2.0**





## TELECOM INFRASTRUCTURE: 4G TO 5G

#### 5G: The Platform for the Next Industrial Revolution

I believe the impact of 5G on consumers will be much bigger than any previous generation but the biggest impact will be on businesses as we provide the platform for the fourth Industrial Revolution

Lowell McAdam, former CEO of Verizon, 7/24/2018

#### The Evolution of 5G









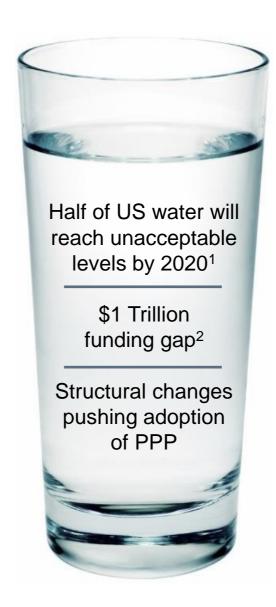
# WATER

## Aging US Pipe Infrastructure: Acute Need for Capital Expenditure



The AWWA estimates that Investment needs for buried drinking water infrastructure total more than \$1 trillion nationwide over the next 25 years

## **Tough to Swallow**



## **Highly Fragmented Water Industry Creates Opportunity**

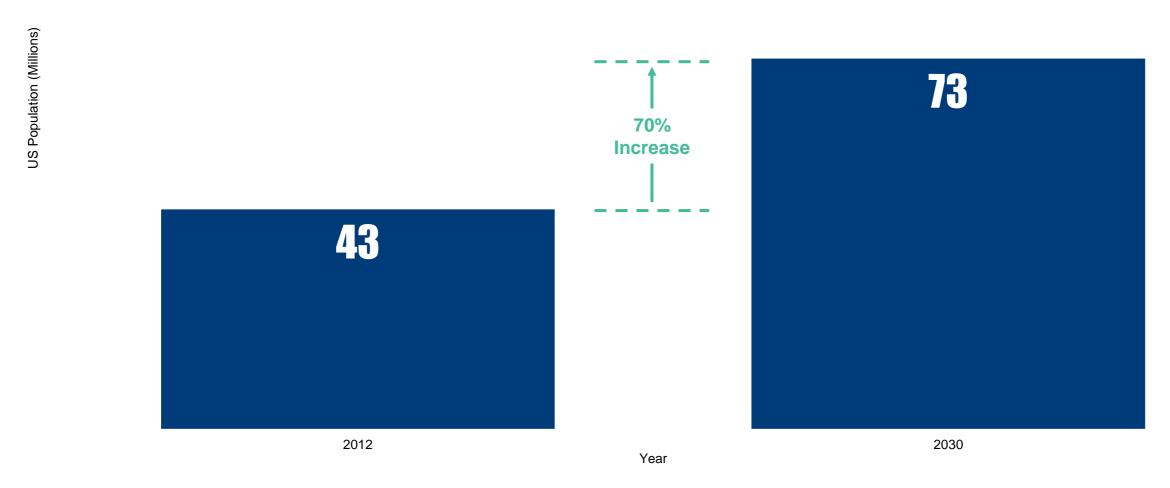
The majority of people in the US are served by capital constrained entities



# SENIOR LIVING

## **US Senior Living Demand Drivers**

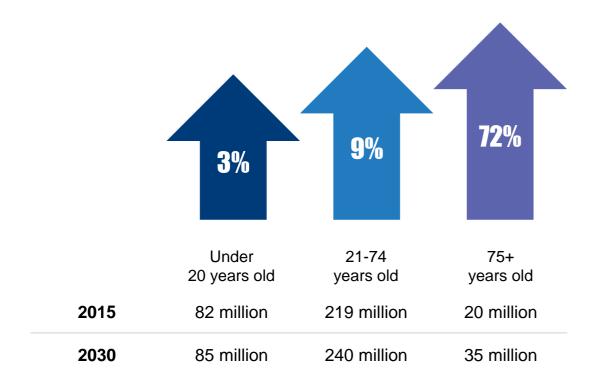
#### Baby Boomer Population - 65+



Source: U.S. Census Bureau – The Baby Boom Cohort in the United States: 2012 to 2060. Issued May 2014. Data for 2012 are population estimates and 2030 are population projections. NIMNA has reviewed the above research and believes the findings are still valid even without the inclusion of more recent data. See Additional Information in Disclosure Statements. [19654]

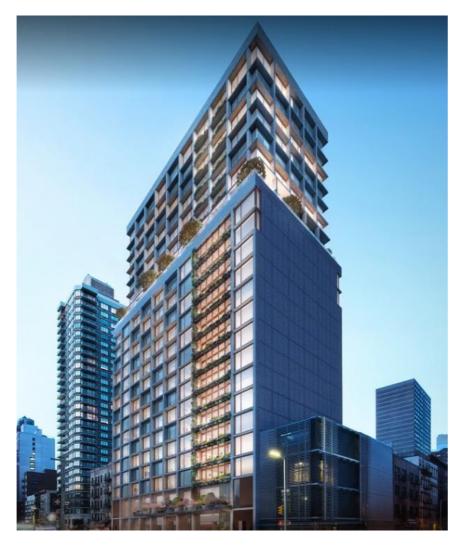
## **Demographics Fueling Demand**

#### Percentage Growth by 2030<sup>1</sup> (Indexed to 2015)



- Senior population growing 7X FASTER than other adults<sup>1</sup>
- 10,000 BABY BOOMERS daily becoming Medicare eligible<sup>2</sup>
- Seniors' NET WORTH >\$640K<sup>3</sup>

## **US Senior Living Demand Drivers**





# CONCLUSION

## Why Infrastructure?

- Distinct asset class with attractive long term potential
- Cyclical + Secular + Structural = timely opportunity for economic and social infrastructure projects
- Global listed infrastructure a compelling diversifier
- Easier access and liquidity versus private infrastructure
- Attractive yields within a dearth of yield globally
- Naturally inflation protected business models

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