



Infrastructure and Growth Leadership Advisory Committee

Meeting #2

April 11, 2017

Housekeeping

- » **Please do not place your line on hold**

- » **Moderated conference lines**

- » **To raise questions and participate**
 - » Through the conference call:
 - » Listen for operator cues
 - » Press * 1 on your phone when prompted
 - » All lines will be open during the Q&A/Discussion sections
 - » Through the webinar:
 - » You can type in a question directly through the webinar under the questions section.

*** 1**

Today's Agenda

- » **Project Overview**
- » **Recap of March Meeting**
- » **Pillar Issues and Needs**
- » **Pillar Priorities**
- » **Next Steps and Action Items**



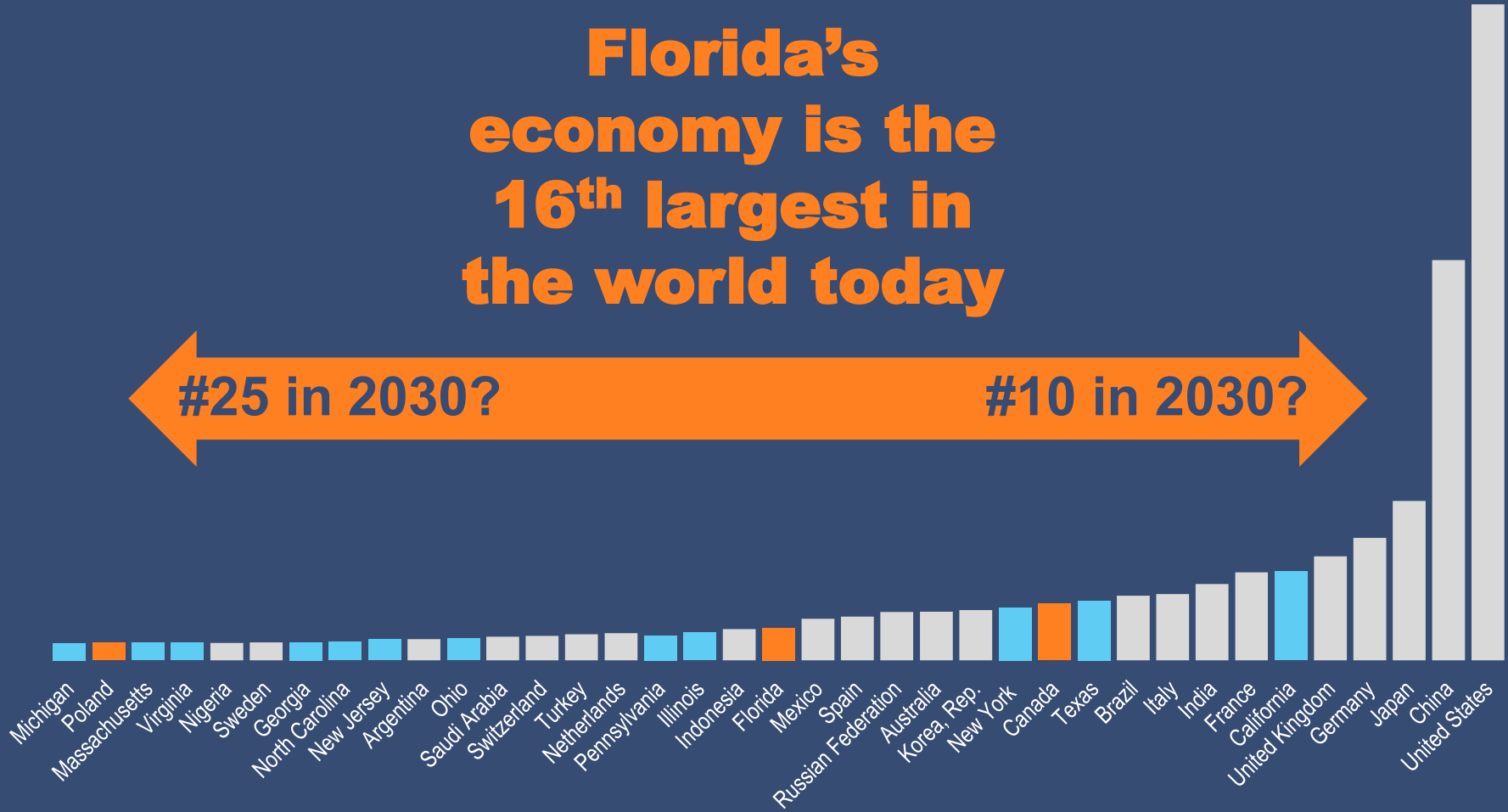
“We must plan better for the next 6 million Floridians than we did for the last 6 million”

Where Will We Be?

Florida's economy is the 16th largest in the world today

#25 in 2030?

#10 in 2030?



Source: World Bank, 2015

Florida Chamber Foundation Trustees

**Florida 2030
Executive Steering
Committee**

Stakeholder,
Association, and
Agency Partners

Talent Supply &
Education
Advisory
Committee

Innovation &
Economic
Development
Advisory
Committee

Infrastructure &
Growth
Leadership
Advisory
Committee

Business Climate
&
Competitiveness
Advisory
Committee

Civic &
Governance
Systems
Advisory
Committee

Quality of Life &
Quality Places
Advisory
Committee

Caucus Members

Caucus Members

Caucus Members

Caucus Members

Caucus Members

Caucus Members

Anticipated Committee Work Plan

Date	Activity
March 22-23rd	Kickoff meeting; Capitol Days, Tallahassee, FL
April 11	Webconference to review initial research results
April 18	Joint call of all committees
May 9	Webconference to review additional research results
May 22	Joint call of all committees
June 14-15, Orlando	In person meeting to begin identifying 2030 targets and strategies
July-August	Additional webconferences as needed to refine 2030 targets and strategies
September 27-29, Orlando	Future of Florida Forum– in person meeting to review draft Pillar research report
Early 2018	Rollout of Florida 2030 report

Today's Presenters



Rob Palmer, AICP, CTL
Planning Group Leader



Joe Debs, P.E.
Senior Vice President



Het Patel, AICP
Transportation Planner

RS&H

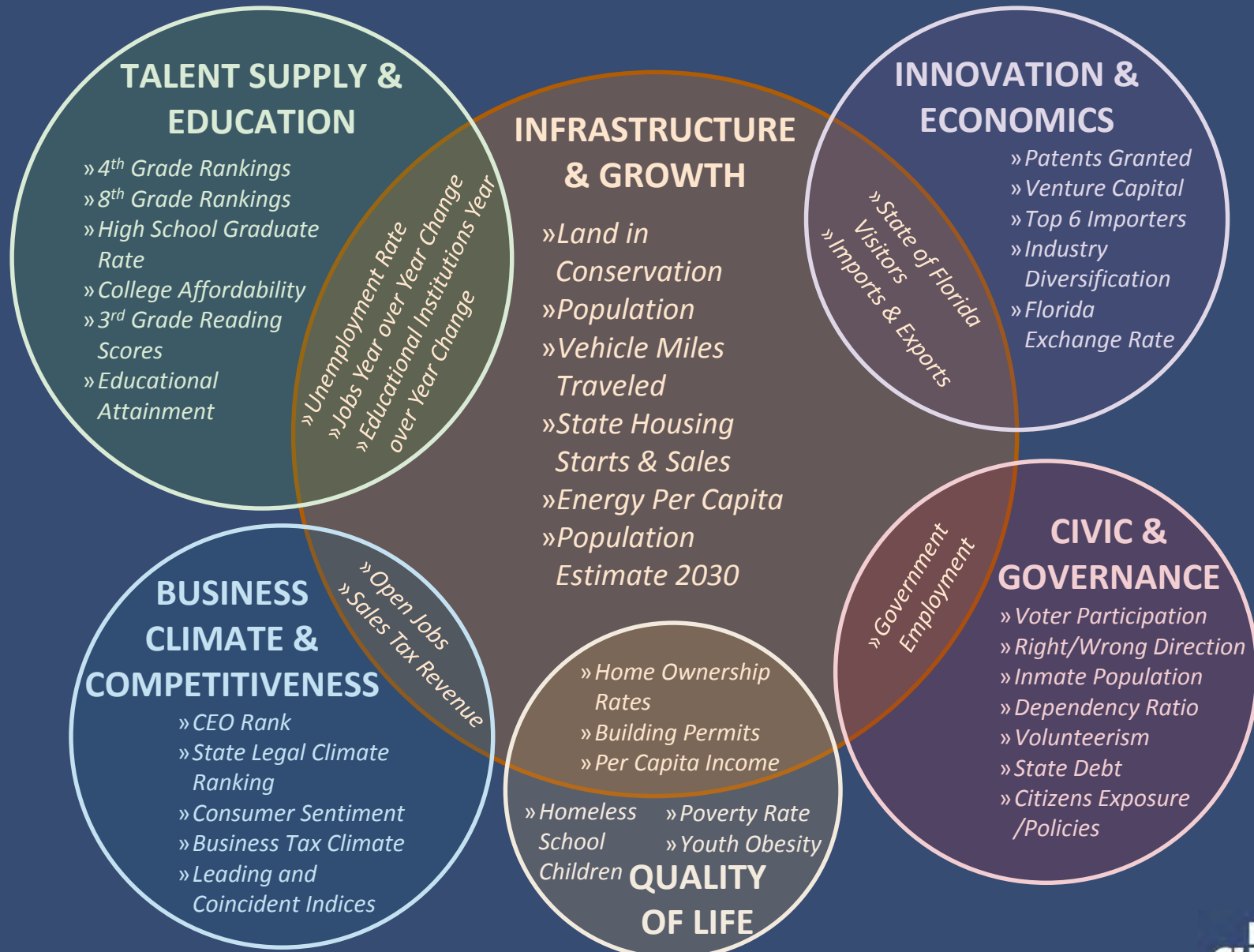
Infrastructure & Growth Pillar - Outline

- » **Pillar Overview/Florida Scorecard**
- » **March Meeting Summary**
- » **Pillar Issues, Needs, and Priorities**
- » **Next Steps**



Team collaborations between all pillars

Florida Scorecard Elements and Overlap with Other Pillars

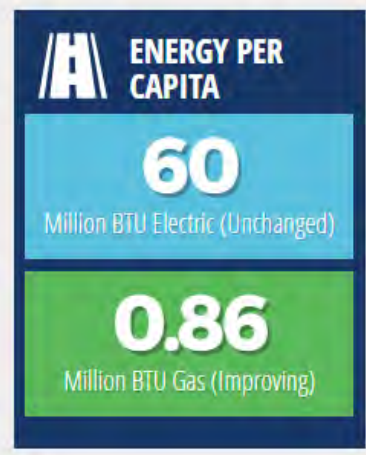


Infrastructure & Growth Pillar Florida Scorecard

State of Florida Metrics (What is this?) Infrastructure & Growth Leadership

Florida FutureCast

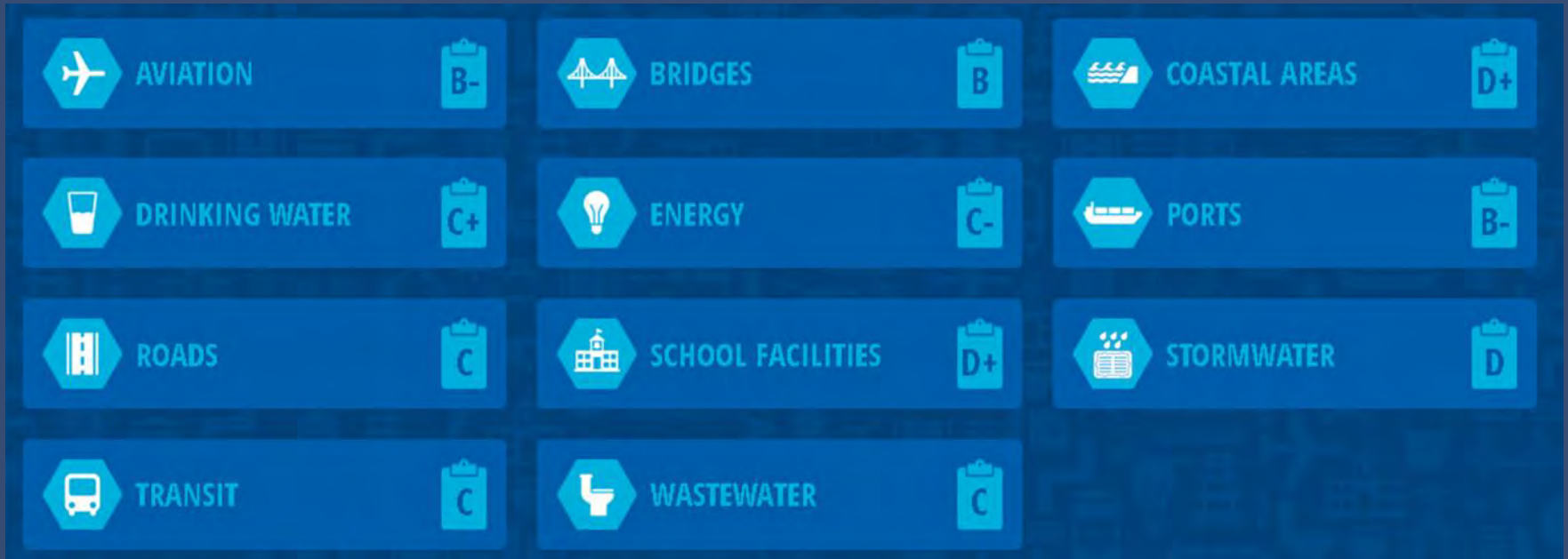
Click any metric to get more information!



Florida Scorecard Elements and Overlap with Other Pillars



ASCE Scorecard Grades 2017 - Florida



Source: American Society of Civil Engineers, 2017.

ASCE Scorecard Grades 2017 - National



ASCE

Source: American Society of Civil Engineers, 2017.

ASCE Scorecard Infrastructure & Growth Leadership Pillar

Florida Grade
National Grade (USA)



	FL	USA
ROADS	C	D
AVIATION	B-	D
BRIDGES	B	C+
PORTS	B-	C+
TRANSIT	C	D-



ENERGY

FL	USA
C-	D+



WATER

FL	USA
C+	D

WASTEWATER

FL	USA
C	D+



Source: American Society of Civil Engineers, 2017.

Infrastructure and Growth Leadership Pillar - Zones

1. Land Use & Design



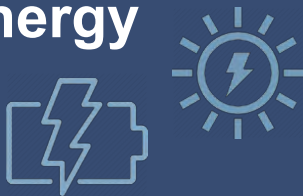
2. Transportation & Logistics



3. Water



4. Energy



5. Communications



6. Waste Management



7. Environmental Issues



8. Risk Preparedness & Mitigation



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Key Takeaways (March 23rd Meeting in Tallahassee)

- » How do we define success? **Rural and urban communities**
- » Start with a blank sheet and **work backwards from 2030**
- » Create a study with **value** (Trade & Logistics 1.0/2.0, Cornerstone)
- » Technology can leapfrog planning and make best laid plans obsolete. **Future updates less than 5 years?**
- » Disruptive power of technology is an immense challenge and great opportunity. **Role of autonomous vehicles and processes?**
- » Infrastructure **security** (communications, energy, ports) represents a much greater, more disruptive future risk.

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Land Use & Design Discussion



STRENGTHS

» *Varies by region; strong growth management and leadership*

WEAKNESSES

» *Policy and regulation*

CONCERNS

» *Tie or link future land use with innovation needed to address congestion and aging infrastructure*

Transportation & Logistics Discussion



STRENGTHS

- » *Ports are critical; need to preserve and expand capacity*
- » *Autonomous Technology; support autonomous vehicles and processes*
- » *Multimodal movement; support maritime and multimodal movement of freight*

WEAKNESSES

- » *Manufacturing; 47th lowest state in manufacturing*
- » *Exports; reduce number of empty trucks leaving Florida*

CONCERNS

- » *Keeping up dredging depths for ports to stay competitive*
- » *Incentivize businesses to adopt smart technology*
- » *Vocation and technical education; improving at the higher level but needs to get to the local level*
- » *Innovation needed to address congestion and aging infrastructure*

Water Discussion



STRENGTHS

- » *Determine percentage of communities with water quality that meets standards*

WEAKNESSES

- » *Water resources in high growth regions are limited or strained*
- » *Use of potable water for non-drinking uses (lawns, industry)*

CONCERNS

- » *Continue to provide safe and reliable drinking water to increasing population*
- » *Increasing water infrastructure improvements*

Energy Discussion



STRENGTHS

- » *Reliability of grid*

WEAKNESSES

- » *We don't control our own destiny (natural gas/coal sources outside of FL)*
- » *Florida is an energy island; no neighboring distribution networks*

CONCERNS

- » *Alternative sources to be encourage to take up slack from baseload*
- » *Example: Minnesota putting solar panels on right-of-way*

Communications Discussion



STRENGTHS

- » *New generational demands for connectivity; internet in rural areas*

WEAKNESSES

- » *Health technology infrastructure; Tennessee and Georgia have more advanced systems (pacemaker monitoring)*

CONCERNS

- » *Speed is the biggest concern; do we have the capability for everyone to be on at the same time?*
- » *Potential to improve telemedicine concept*
- » *Cybersecurity concerns; is the system resilient?*

Waste Management Discussion



STRENGTHS

- » *Very ambitious recycling goals, which are driven by the free market*
- » *Rates are similar to California where they are mandatory*

WEAKNESSES

- » *Still there are regulatory barriers; become more permissive about what can be recycled*
- » *Still have no hazardous waste recycling; have to send it to Alabama*

CONCERNS

- » *Promote and encourage free market to identify uses for different types of waste*
- » *Resource recover concept; mining of landfills to find economically recoverable items*
- » *A lot more people, equals a lot more trash; future goal could be 98% recoverable waste (recycling and energy conservation)*

Environmental Issues Discussion



STRENGTHS

- » *Smart growth; land conservation policy – how do you encourage conservation while also being fair?*
- » *New paradigm of new developments/sector plans; master planned regions like Babcock Ranch, West Bay, The District*

WEAKNESSES

- » *DCA and regulatory framework in the 80s resulted in sprawl and greenfield development – Define new approach*

CONCERNS

- » *Utilize a super region approach to link conservation land/corridors with areas of infrastructure growth*
- » *Continued recognition of areas for agriculture, silviculture, cattle ranches*

Risk Preparedness & Mitigation Discussion



STRENGTHS

- » *Resilient infrastructure and systems*

WEAKNESSES

- » *Florida may not be ready for major tests (significant hurricane, terrorism on energy grid, water, or transportation infrastructure)*

CONCERNS

- » *Cybersecurity, communications, energy grid; radical disruptions in a very, very short time*

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Infrastructure & Growth Leadership Pillar Priorities

» Land Use & Design



- » *Connecting economic opportunities and emerging trends while considering environmental aspects*

» Transportation & Logistics

- » *Ensuring competitiveness of Florida's Sea & Air Ports*
- » Enhancing the aging infrastructure
- » Vocational and technical education



» Water



- » *Percent of communities meeting water quality standards (Metric?)*

» Energy

- » Reliability of existing grid



- » *Determining alternative sources to address peaks from baseload*

Infrastructure & Growth Leadership Pillar Priorities

» Communication

» *Speed and connectivity*



» Waste Management

- » Identify opportunities to recycle more types of products
- » Mining of landfills to find economically recoverable items
- » *Use the free market to further increase recycling rates*



» Environmental Issues



- » *Identify land conservation corridors and link them with areas of infrastructure growth*
- » *Identify areas for agriculture, silviculture, and cattle ranches*

» Risk Preparedness & Mitigation

- » *Develop more resilient infrastructure system (cybersecurity, communications, energy, water, and transportation)*



Key Takeaways Additional Thoughts?

- » How do we define success? **Rural and urban communities**
- » Start with a blank sheet and **work backwards from 2030**
- » Create a study with **value** (Trade & Logistics 1.0/2.0, Cornerstone)
- » Technology can leapfrog planning and make best laid plans obsolete. **Future updates less than 5 years?**
- » Disruptive power of technology is an immense challenge and great opportunity. **Role of autonomous vehicles and processes?**
- » Infrastructure **security** (communications, energy, ports) represents a much greater, more disruptive future risk.
- » **???**

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Next Steps and Action Items

» Next Steps

- » Review of existing research, studies, and plans
- » Survey of advisory committee members and additional stakeholders

» Upcoming Dates

- » Joint committee call with all pillars: *April 18, 10:00-11:30pm*
- » Next Call: *May 9 1:00-2:30pm*
- » In person meetings: *June 14-15, Orlando, Florida*



1,000s of Floridians

6 Pillars

2 Years

1 Plan

FL 2030 @FL Chamber.com