



Freight Advisory Committee

NOTES

August 21, 2024, 9:00 - 10:30 AM

1 Park Place, Colonie, NY 12205 and Zoom

Facilitator: Chris Bauer

Task: 4.21

1) Attendance

Tom Phelan, BHX Engineering/Gannet Fleming

Valerie Deane, NYSDOT Region 1

Kate Maynard, CDRPC

Richard Hendrick, Port of Albany

Megan Daly, Port of Albany

Mary Keim, Dagen Trucking

Jim Moeschen, Dagen Trucking

John Scavo, Town of Clifton Park

Greg Bedrosian, GE Vernova (Gas power)

Brent Shawcross, GE Vernova (On shore wind)

Lou Esposito, Town of Princetown/OOIDA

Tony Vasil, AJ Vasil Associates

Dr. Catherine Lawson, UAlbany

Ryan Riper, Town of Wilton

Gautam Mani, FHWA

Erica Beckford, MC Samuels Logistics

Nate Owens, Town of Bethlehem

Jeff Wojtowicz, RPI

Mike Izdebski, Plug Power

Reema Loutan, US EPA Region 2

Rick Crawford, Norfolk Southern

John Davidson, DA Collins

Erik Vandenberg, Metroplex

Christian Martin, GE Vernova

Thomas Hulihan, City of Rensselaer

Lisa Ramundo, Albany County

Steve Feeney, Schenectady County

Chris Bauer, Capital Region Transportation Council

Andrew Tracy, Capital Region Transportation Council

Chaim Simon, Capital Region Transportation Council

2) Presentation - GE Vernova, Schenectady Production Plans, 2025+ (Brent Shawcross, GE Vernova)

GE Vernova is a spinoff of GE which manufactures power production machines including wind turbines. In Schenectady, GE manufactures the hub, nacelle, and drive train for 6MW wind turbines as well as components for Gas Turbine Generators and Steam Turbines. It is beneficial to assemble as much as possible in the factory which makes transportation of the large machines over rails or roads difficult.

3) CRTC Freight Planning Update - Over-dimension Routing in the Capital Region (Chris Bauer, Capital Region Transportation Council)

The Transportation Council has started collecting data about overweight and oversize cargo routes in our region.

Let us know who else to be in touch with to get feedback about issues with overweight and oversize loads.

Next steps will be to continue to define the issue statement and development of a potential project for the 2025-26 UPWP.

4) Update – New York State Freight Transportation Plan

The new freight plan is almost done and is due September 1. The plan proposes 3 NHFP (National Highway Freight Program) projects in our region.

5) Update – Capital District Clean Communities (Chaim Simon, Capital Region Transportation Council)

CDCC is hosting a site visit at Sprague Energy to showcase renewable diesel in Rensselaer on October 15.

6) In Motion: 2050 Metropolitan Transportation Plan Survey (Chris Bauer, Capital Region Transportation Council)

The survey is open until August 31, form.jotform.com/crtcmpo/long-range-survey

The project website is inmotionplan.org/

7) Member Updates

Tom Phelan presented about how JW Industrial Park in Pennsylvania is building a large truck parking/staging area with 150 spaces. This was done voluntarily by the industrial park to attract customers.



The Port of Albany is having Port Industry Day on September 19 at 9:30am. There will be tours of the port's facilities and new expansion.

8) Action Items/2024 Meeting Dates

- i. Remaining 2024 Meeting Date: November 20

DRAFT



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Agenda

1) Welcome and Introductions

- In-person – sign-in sheet
- On Zoom – please put **Name, Organization** in Chat

- 2) Presentation - **GE Vernova, Schenectady Production Plans, 2025+** (Brent Shawcross, GE Vernova)
- 3) CRTc Freight Planning Update - **Over-dimension Routing in the Capital Region** (Chris Bauer, Capital Region Transportation Council)
- 4) Update – **New York State Freight Transportation Plan** (TBD, NYSDOT)
 - i. Update – **NHFP and CUFC in the Transportation Council Region** (Chris Bauer, Capital Region Transportation Council)
- 5) Update – **Capital District Clean Communities** (Chaim Simon, Capital Region Transportation Council)
- 6) In Motion: **2050 Metropolitan Transportation Plan Survey** (Chris Bauer, Capital Region Transportation Council)
- 7) Member Updates
- 8) Action Items/2024 Meeting Dates

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GE VERNOVA

The background is a dark teal color with several dynamic, swirling patterns of fine particles. These particles are primarily dark teal but include many small, bright yellow and light blue specks, creating a sense of motion and depth. The patterns resemble smoke or a microscopic view of a fluid.

GE VERNOVA MANUFACTURING

Schenectady

GENERATOR



STEAM TURBINE



WIND TURBINE



Schenectady Campus

- 637 Acre Campus
- 40 Buildings
- 1.4M ft² Office Space
- 1.7M ft² Manufacturing Space
- \$80M+ Recent Investments ('23-Present)

Building 273



- 300 Professional Employees
- 750 Production Employees
- Factory Established in 1949
- 1 M ft² of Manufacturing Space
- 550-ton Crane Capacity, 375 count
- Machine Count = 350
- First wind turbine shipped 2023



• SCHENECTADY, NY •

Schenectady Wind Manufacturing



PLANT AREA: 1M+ SQ. FT.

PEOPLE

- 820 Total employees
- 730 Production (hourly)
- 90 Professional (salary)

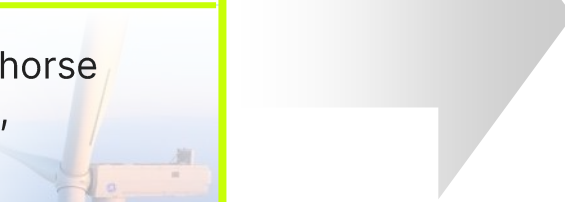


\$50M INVESTED to bring wind mfg. and assembly to legacy site

200 NEW JOBS 180 skilled union operators
20 salaried leadership

THE 6.1MW-158m TURBINE

Bringing our largest workhorse product to the US rapidly, safely, and with quality – we're rising to meet the demand of the energy needs of our customers & the communities they serve



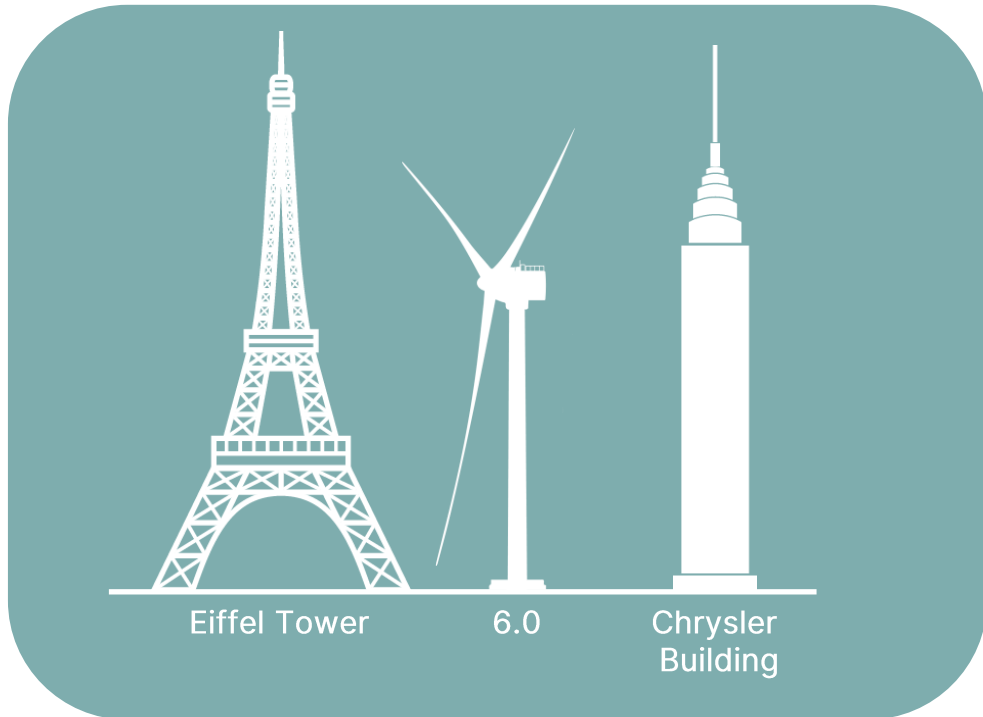
PREPARING FOR US VOLUME INCREASE

- Increase labor by ~100% for a total of 200 onshore wind manufacturing employees, locally
- Build out capacity to increase output to ~200+ units in '24
- Improve material flow through introduction of moving lines, in turn improving speed and efficiency

Our 6 MW Wind Turbine

- Largest Onshore Wind turbine manufactured and assembled in US... shipping globally
- GEV has largest fleet of >5MW machines in operation – proven, reliable, available

<https://youtu.be/k1-C10JAxhs>



6MW capacity

25 GWh annual
energy production

158/164m rotor

101-161m tower options

Produces enough power
for 2500 households

1200+ units in operation,
largest
>5MW turbine fleet



Schenectady Wind Manufacturing

What are we building in Schenectady?

Machine Heads, Hubs & Drivetrains for 6MW Wind Turbines



Machine Head



Hub



2) Presentation - GE Vernova, Schenectady Production Plans, 2025+

Brent Shawcross, GE Vernova

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3) Over-dimension Routing in the Capital Region

Purpose

Moving valuable oversize and overweight cargo to, from, and through the region has many challenges

Background/Timeline

1. Met with GE Vernova, Dagen Trucking, City of Albany to discuss moving OS/OW cargo between Schenectady and Albany (June)
2. Made connections to Reimagine I-787, I-890 PEL Study, and NY State Freight Plan (June/July)
3. Data collection – Dagen Trucking (June/July) and develop a geodatabase for mapping (August)
4. Introduce topic at Freight Advisory Committee

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3) Over-dimension Routing in the Capital Region

Next Steps - Mapping

We need your input: who else from private industry should we be talking to?

Manufacturing

GE Vernova ✓
 Other GE divisions?
 Atlas?
 Dimension Fabricators?
 Others?

Trucking

Dagen Trucking ✓
 STX?
 Others?

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3) Over-dimension Routing in the Capital Region

Next Steps - Mapping

- Continue to develop mapping geodatabase and background information
- Coordinate with stakeholders to specify issue at each location (ex: low bridge, turn radius, etc.)

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3) Over-dimension Routing in the Capital Region

Next Steps - Planning

- Continue to define the issue statement and develop a potential 2025-26 UPWP planning project scope
 - 2025-26 UPWP starts April 1, 2025, and is pending Policy Board approval
- Possibly convene a "task force"
- Continue to identify any short-term projects with potential OS/OW implications

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4) NY State Freight Plan Update

NYSDOT

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4-i) Update – NHFP and CUFC in the Transportation Council Region

- NYSDOT's NY State Freight Plan update – CRTC Region
 - Proposing 3 new National Highway Freight Program (NHFP) funded projects
 - Critical Urban Freight Corridor (CUFC) designations
- States become eligible for NHFP funds upon FHWA's approval of a State Freight Plan
 - Updated every 4 years
 - Fiscally constrained freight investment plan
- NHFP funded projects must be on a designated Critical Urban Freight Corridor

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4-i) Update – NHFP and CUFC in the Transportation Council Region

- (Con't) NYSDOT is limited to 150 miles of CUFC roadways statewide
- NYSDOT designates short CUFC segments based on the location of NHFP-awarded projects
- New CUFC segment designations require coordination with MPOs
 - Planning Committee – August 7
 - Recommended endorsing via letter the NHFP projects and certification of the CUFC segment designations, as proposed by NYSDOT
 - Policy Board – September 5
 - Action anticipated

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4-i) Update – NHFP and CUFC in the Transportation Council Region

3 locations in Transportation Council Region:

1. Bridge Replacement: NY 146 over 1-890 (BIN 1038340), City of Schenectady, Schenectady County
 - Cost: \$8,940,000, NHFP Funding: \$5,000,000
 - CUFC: 0.1 miles



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4-i) Update – NHFP and CUFC in the Transportation Council Region

3 locations in Transportation Council Region:

2. Bridge Replacement: NY 146 over Chrysler Ave and CSX Railroad (BIN 1038330), Town of Rotterdam, Schenectady County
 - Cost: \$11,610,000, NHFP Funding: \$9,000,000
 - CUFC: 0.2 miles



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4-i) Update – NHFP and CUFC in the Transportation Council Region

3 locations in Transportation Council Region:

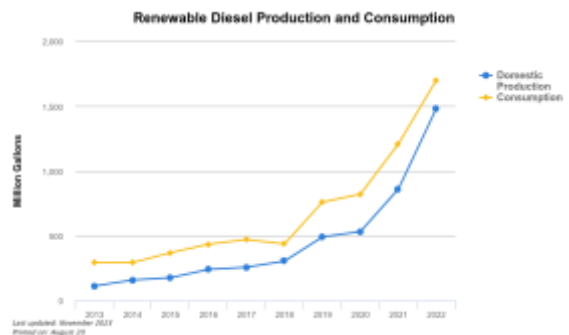
3. Interchange Improvements and Bridge Replacement: I-87 Exit 16/CR 33 Ballard Rd (BIN 1033370), Town of Wilton, Saratoga County
 - Cost: \$21,000,000, NHFP Funding: \$5,000,000
 - CUFC: 0.2 miles



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5) Update - Capital District Clean Communities

- Planning a site visit at Sprague Energy Facility in Rensselaer
- Tour will include information on Renewable Diesel and medium & heavy-duty electrification solutions
- Event planned for October 15, 2024
 - Stay Tuned!



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IN MOTION

THE PLAN TO 2050

- Survey Open until Aug 31
- Input Sought on:
 - Goals
 - Visionary Projects
 - What project would you invest in now
- Direct Survey Link: <https://form.jotform.com/crtcmpo/long-range-survey>
- More Info: www.inmotionplan.org



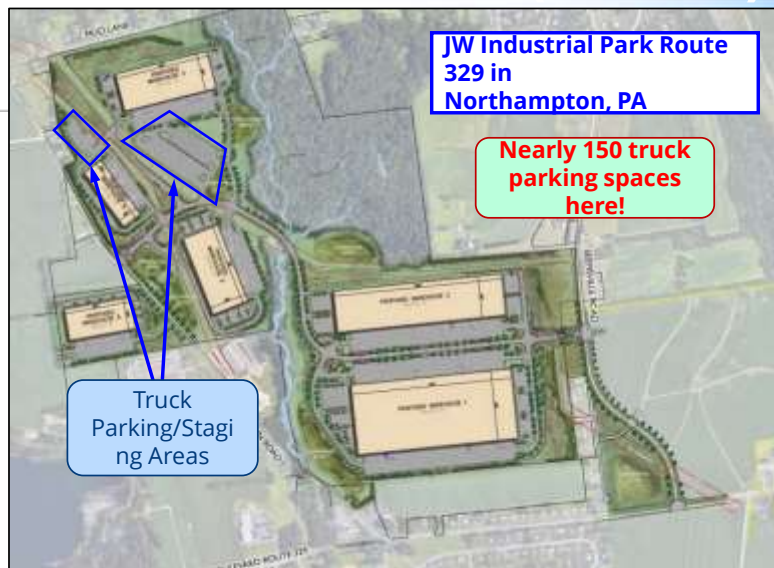
Review our draft goals for the Capital Region's long-term transportation plan.

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7) Member Updates

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JW INDUSTRIAL PARK (1 OF 2)



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JW INDUSTRIAL PARK (2 OF 2)



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8) Action Items/Next Meeting

- Action Items:
 - In Motion Plan Survey www.inmotionplan.org
- Next Meeting:
 - November 20, 2024, at 9:00 AM

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Freight Advisory Committee



Thank you for attending!

Sign up for E-News: <http://eepurl.com/ivx946>

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