

PROJECT OVERVIEW REPORT

1. UTC Identifying Number
69A3551847102
2. Center Identifying Number
CAIT-UTC-REG8
3. Project Title
Prioritizing Infrastructure Resilience throughout the Capital Planning Process
4. Principal Investigator & Contact Information
Jon Carnegie
Executive Director
Rutgers Bloustein - Voorhees Transportation Center
33 Livingston Avenue
New Brunswick, NJ 08901
5. Rutgers/CAIT Project Manager
Patrick Szary, Ph.D.
6. Customer Principal
Todd Goldman, Manager, Regional Transportation Planning
Port Authority of New York & New Jersey
4 World Trade Center, 150 Greenwich Street
New York, NY 10007
7. Project Description
The Port Authority of NY & NJ is a leader nationally in incorporating climate resilience into major capital projects at the design phase. The agency has adopted comprehensive design guidelines to improve the resilience of agency infrastructure. However, the agency is interested in documenting leading practices at peer agencies regarding how to incorporate resilience considerations earlier and throughout the capital project planning process. The primary goal of this project is to map current processes used in the region to make capital planning and project selection/prioritization decisions, document leading practice case examples from transportation agencies nationally and recommend ways to better align decisions to support improved resilience to extreme weather events and changing climate conditions.
8. Implementation of Research Outcomes (or why not implemented)
The intended outcome of the project, in collaboration with PANYNJ staff, is to prepare a series of leading/promising practice case studies and plan and execute one or more Peer Exchange Workshops designed to engage participants in

discussions and brainstorming regarding how the promising practices identified as part of the study might be adapted for implementation at their agencies.

9. Impacts/Benefits of Implementation (actual, not anticipated)
To Be Determined

10. Dates and Budget

Start date: 9/1/2018

End date: 9/30/2019

UTC (CAIT) Dollars: \$80,000

Cost Sharing: \$80,000

Total Dollars: \$160,000

11. Keywords

Infrastructure resilience, asset management, capital planning, vulnerability assessment, project prioritization, project design criteria, climate resilience, extreme weather

12. Web Links (Reports and Project Website)

<https://cait.rutgers.edu/research/prioritizing-infrastructure-resilience-throughout-the-capital-planning-process/>