## Infrastructure Needs Assessment: 2024-2030

2024 New Jersey State Development and Redevelopment Plan

Presented by Rutgers University to the New Jersey State Planning Commission







### **Team Introductions**



#### **Voorhees Transportation Center**



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#### **Center for Urban Policy Research**



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## **Background**

- INA mandated by NJ State Planning Act
- Work began in 2023 under former Executive Director Donna Rendeiro
- Project temporarily halted—work resumed in late 2024
- Leadership transition of both OPA and Rutgers in early 2025
  - Leigh Ann Von Hagen
  - Walter Lane

## The Preliminary Draft of the New Jersey State Development and Redevelopment Plan

New Jersey State Planning Commission Approved December 4, 2024



















### Methodology

- Draws on:
  - Capital plans
  - Regulatory frameworks
  - Agency reports
- Future needs rooted in:
  - Demand forecasts
  - Demographic changes
  - Trends in asset deprecation
- Report adopts three-scenario approach:
  - Steady State
  - Moderate Progress
  - Aspirational



## **Overview of Topics**

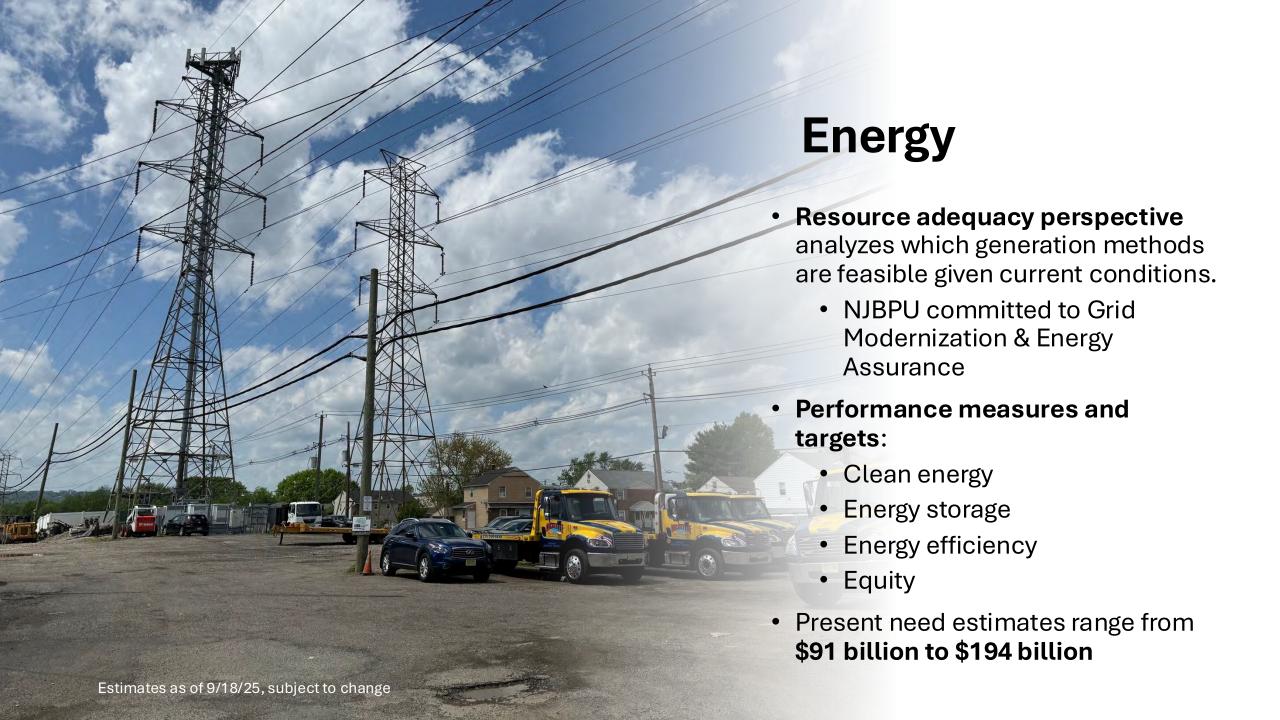
- Transportation
- Energy
- Telecommunications
- Farmland Retention
- Shore Protection
- Water Supply
- Wastewater Disposal
- Stormwater Management
- Public Recreation & Open Space
- Public Health Care

- Solid Waste Management
- Public Education
- Higher Education
- Public Libraries
- Arts & Historic Resources
- Public Safety, Justice, & Corrections
- Public Administration
- Public Housing

### **Transportation**

- Network in need of significant maintenance
- Major projects underway
  - Portal North Bridge Replacement
  - Route 17 Improvements
  - Rail Infrastructure Modernization
- State agencies adopt performancebased planning and programming (PBPP) standards
- Differing timelines in planning timeframes
- Funding gaps among several agencies
- Estimated present needs of \$66 billion

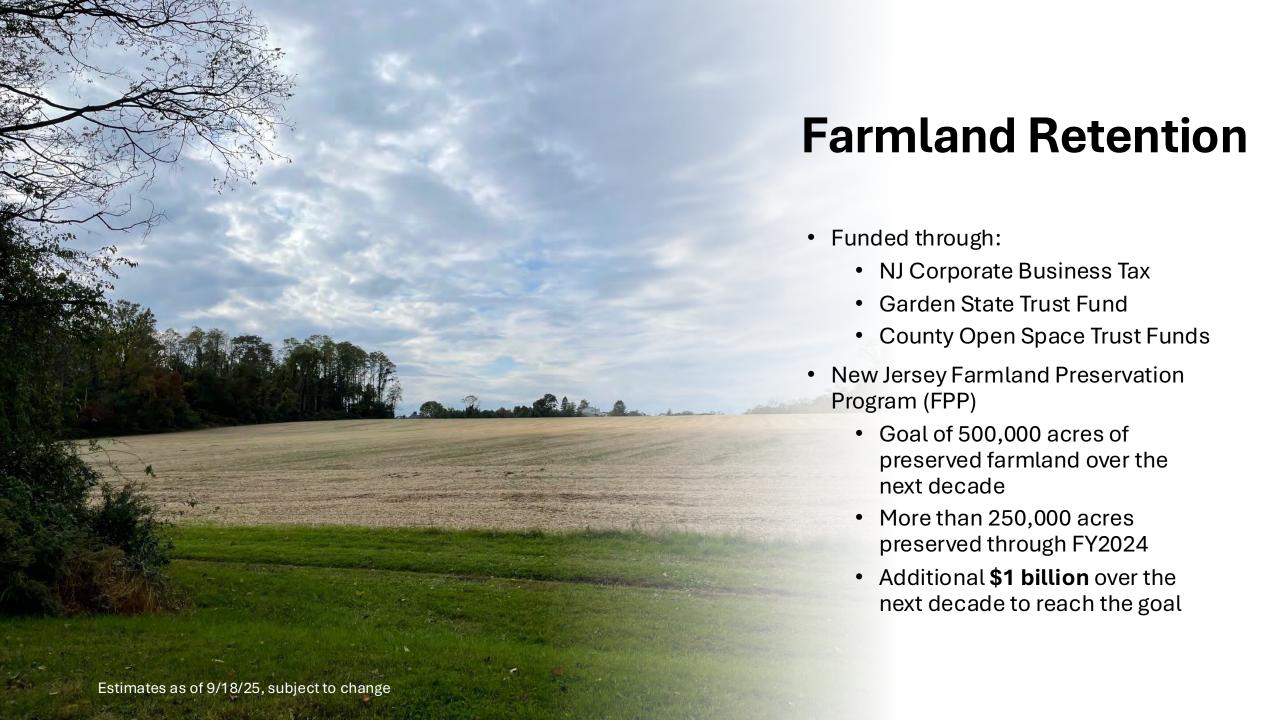




#### **Telecommunications**

- Main goal: enhance access to high-speed and affordable internet service in overburdened communities
- Percentage of state population covered by:
  - Cable modems 98%
  - Fiber optic cables 68%
  - Traditional telephone lines 5%
- Present needs stand at \$263.7 million

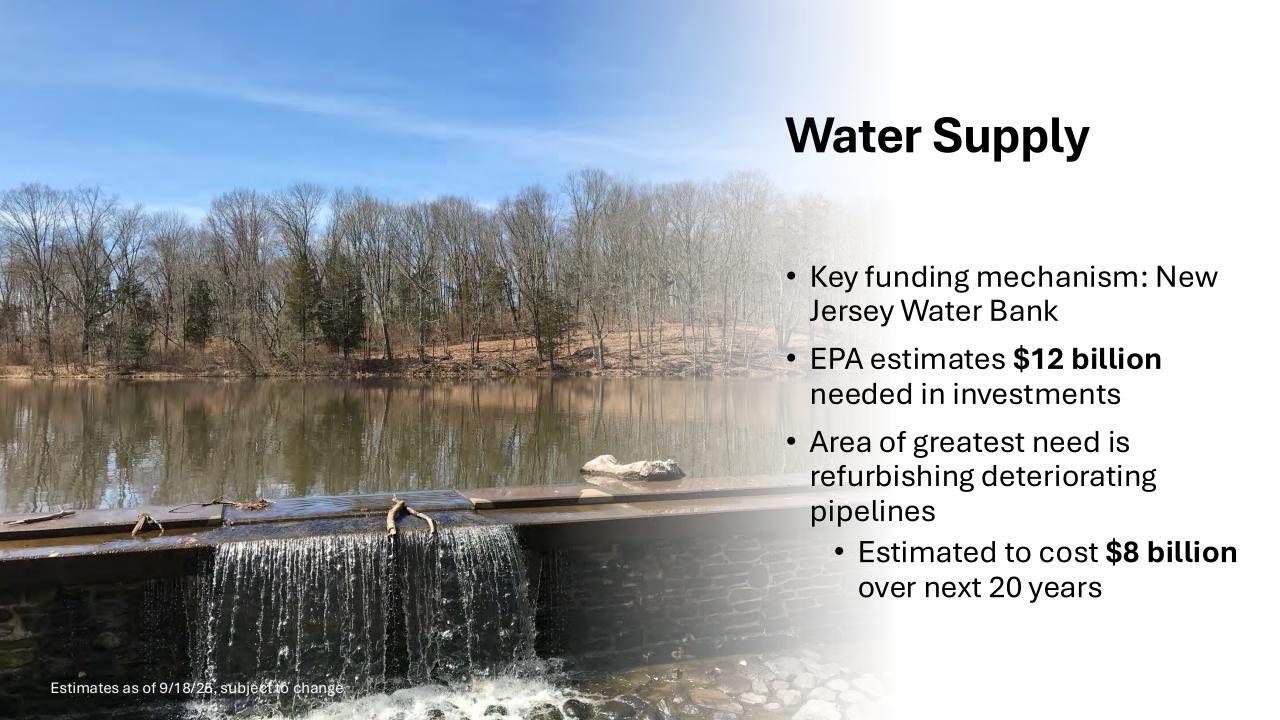




#### **Shore Protection**

- New Jersey's Shore Protection Program
  - Preserves coastal resources
  - Maintains safe and navigable waterways
- 76% of New Jersey's coastline is developed
- Coastal communities account for over half of NJ's tourism dollars
- Funding needs total \$1 billion for shore protection projects between FY2025 and FY2031





# Wastewater Disposal

- NJ has 191 wastewater treatment facilities
  - Six operating at or above capacity
  - Over 40 at risk of damage from potential sea-level rise
- NJ requires \$11.75 billion in investment over next 20 years





# Public Recreation & Open Space

- 1.6 million acres of preserved open space and public recreation
- Funding:
  - State Appropriations
  - Federal Grants and Loan Programs
  - NJDEP Grants and Loans
  - Revenue from fees and fines
  - Public-Private Partnerships
- Future infrastructure needs:
  - 30x30 Initiative
  - Smart Park Infrastructure
  - Interactive maps
  - AR & Virtual Tours
  - Automated conservation/monitoring tools
  - Eco-Friendly Energy Solutions



## **Public Health** Care

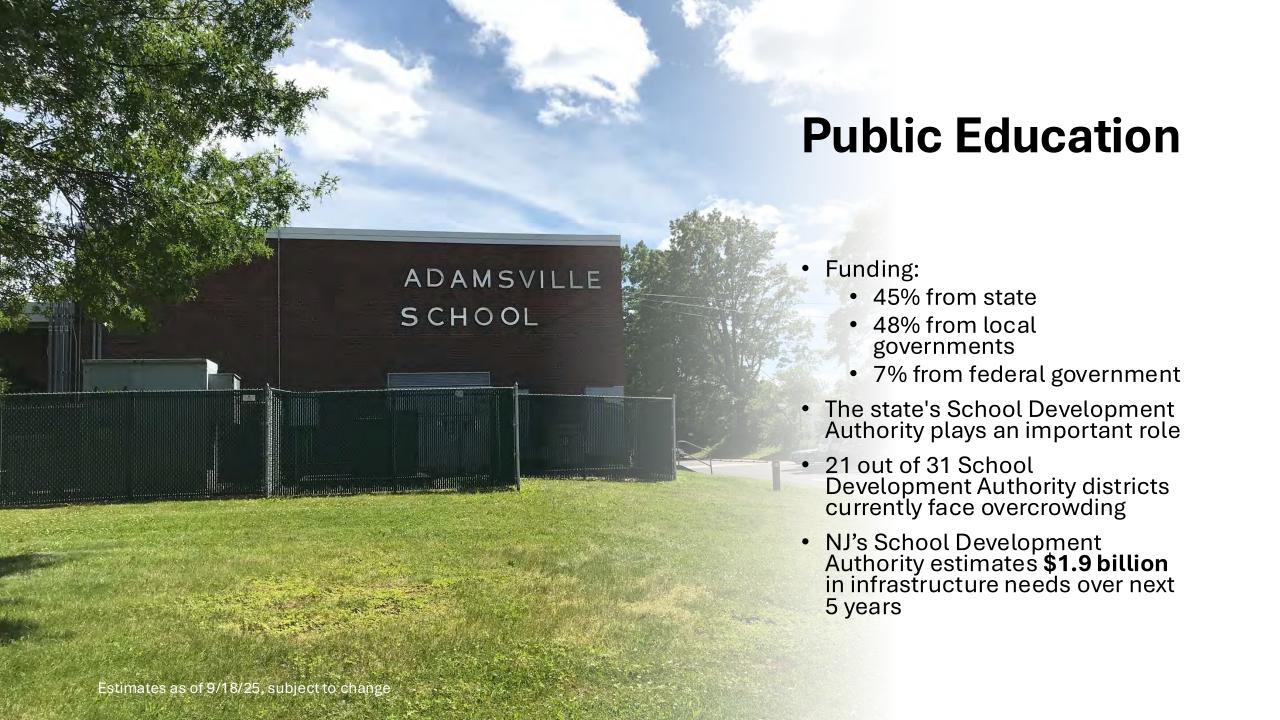
- NJ Health Care Facilities Financing Authority funds capital/infrastructure costs
- New goals: improving building security and increasing the number of childcare facilities in underserved areas.
- Estimated present need costs are almost \$10 million



## Solid Waste Management

- Present needs through 2030 total \$262 million
- 2030 Waste-Reduction Goals:
  - 60% of total solid waste recycled
  - 50% of municipal solid waste recycled
  - 50% less food waste
- 429 recycling and disposal facilities statewide

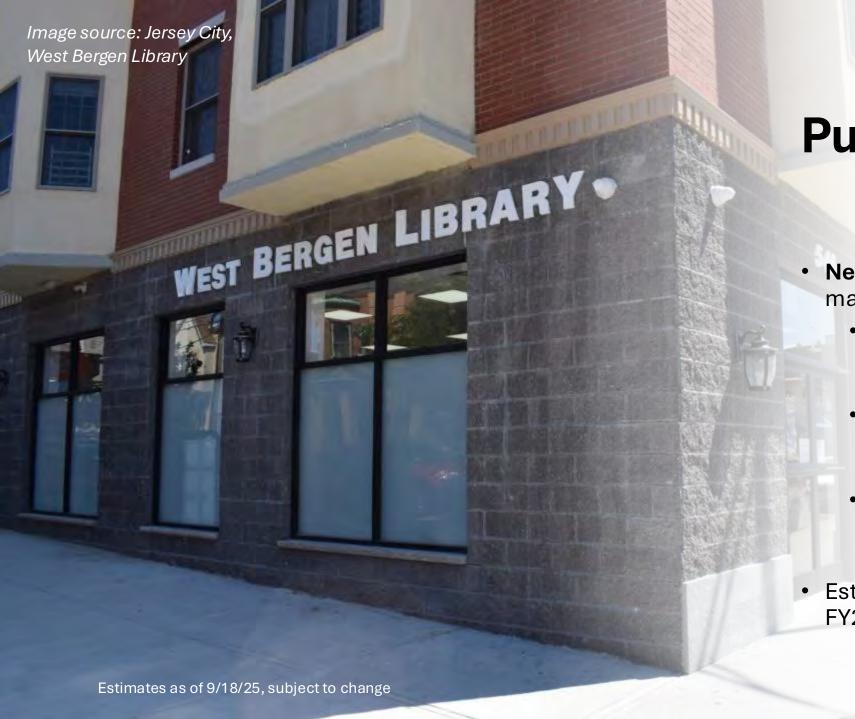




# Higher Education

- Higher education enrollment has been trending upward
- Recommended FY2025-FY2031 Funding
  - 234 infrastructure projects have been proposed
  - Estimated infrastructure needs over the next 7 years total \$13 billion





### **Public Libraries**

- New Jersey State Library largely manages three programs
  - JerseyClicks: Provides access to various research databases
  - Talking Book and Braille
     Center (TBBC): Assists NJ's
     residents with disabilities
  - JerseyConnect: Enables lowcost internet access to member libraries
- Estimated present needs through FY2031 are about \$15 million

# Arts & Historic Resources

Primary funding sources:

NJ State Council on the Arts

- NJ Cultural Trust
- NJ Historic Trust

Recommended FY 2026 funding:

- \$35.2 million for arts
- \$5.9 million for historic resources





### **Public Housing**

- Affordable Units Needed:
  - Refurbish 65,000 currently deficient units
  - Construct 85,000 new units
- NJ's Affordable Housing Trust Fund has a balance of \$200 million
- \$12.9 million in funding needed to cover section 8 vouchers



### Conclusion





Total Needs Estimates all sectors (present — approx. 2031):

Steady-State Scenario \$102 billion Moderate
Progress Scenario **\$214 billion** 

Aspirational Scenario \$317 billion

- Present needs are well documented but future needs (10+ years out)
   require more clarity
- The INA serves as a roadmap for capital planning and works in tandem with the 2025 State Development and Redevelopment Plan