

The background is a light blue gradient with several realistic water droplets of various sizes scattered across the surface. The droplets have highlights and shadows, giving them a three-dimensional appearance.

INFRASTRUCTURE NEEDS ASSESSMENT

WORK PLAN AND APPROACH

INFRASTRUCTURE NEEDS ASSESSMENT WHY?

- NJSA 52:18A-199 DUTIES OF THE COMMISSION
 - “PREPARE AND ADOPT AS PART OF THE PLAN A LONG-TERM INFRASTRUCTURE NEEDS ASSESSMENT, WHICH SHALL PROVIDE INFORMATION ON PRESENT AND PROSPECTIVE CONDITIONS, NEEDS, AND COSTS WITH REGARD TO STATE, COUNTY AND MUNICIPAL CAPITAL FACILITIES, INCLUDING WATER, SEWERAGE, TRANSPORTATION, SOLID WASTE, DRAINAGE, FLOOD PROTECTION, SHORE PROTECTION AND RELATED CAPITAL FACILITIES”

INFRASTRUCTURE NEEDS ASSESSMENT WHY RUTGERS?

- AS THE STATE UNIVERSITY THAT IS INVOLVED IN MANY OF THE STATE DEPARTMENT'S STRATEGIC PLANS AND RESEARCH, THEY HAVE EXISTING KNOWLEDGE AND DATA THAT CAN FORM THE BASIS OF THE INA
 - NJ CLIMATE CHANGE RESEARCH CENTER
 - ALAN M. VOORHEES TRANSPORTATION CENTER
 - WORK WITH BPU ON ENERGY METRICS
- PREVIOUS EXPERIENCE WITH THE PRIOR ASSESSMENTS
- SUBSTANTIAL KNOWLEDGE OF NEW JERSEY INFRASTRUCTURE

INFRASTRUCTURE NEEDS ASSESSMENT TWO PHASES

- PHASE I
 - **TRANSPORTATION** – ROADS, BRIDGES, TUNNELS; PUBLIC TRANSPORTATION (BUS, RAIL, PARATRANSIT); FREIGHT RAIL AND PORTS; AVIATION (INCLUDING AIR FREIGHT); ELECTRIC VEHICLE CHARGING; TRANSPORTATION AGENCY OPERATIONS AND ADMINISTRATION FACILITIES
 - **ENVIRONMENT** – DRINKING WATER, WASTEWATER DISPOSAL (INCLUDING CSO); STORMWATER MANAGEMENT AND FLOOD PROTECTION, SHORE PROTECTION
 - **ENERGY** – POWER GENERATION, POWER TRANSMISSION AND DISTRIBUTION; DISTRIBUTED ENERGY RESOURCES (INCLUDING CLASS I RENEWABLES, STORAGE AND OTHERS); ENERGY EFFICIENCY AS A RESOURCE

INFRASTRUCTURE NEEDS ASSESSMENT TWO PHASES

- PHASE II
 - HOUSING
 - FARMLAND RETENTION
 - OPEN SPACE LAND AND RECREATION FACILITIES
 - PUBLIC AND HIGHER EDUCATION
 - PUBLIC LIBRARIES
 - ARTS
 - CORRECTIONS
 - HUMAN SERVICES

INFRASTRUCTURE NEEDS ASSESSMENT

FIVE TASKS

- TASK 1 – CONDUCT PROJECT KICK-OFF, COORDINATION, AND ADMINISTRATION
- TASK 2 – CONDUCT BACKGROUND RESEARCH AND SECTOR-SPECIFIC SCOPING OUTREACH
 - TASK 2.1 REVIEW AVAILABLE LITERATURE
 - TASK 2.2 IDENTIFY AND COLLECT NEW JERSEY-SPECIFIC SOURCE DOCUMENTS AND DATA
 - TASK 2.3 CONDUCT SECTOR-SPECIFIC SCOPING OUTREACH
- TASK 3 – CONFIRM FUTURE GROWTH SCENARIO
- TASK 4 – ESTIMATE INFRASTRUCTURE CONDITION, NEEDS, AND COSTS
 - TASK 4.1 – DEVELOP SECTOR-SPECIFIC PRELIMINARY NEEDS ASSESSMENT (PRESENT AND PROSPECTIVE)
 - TASK 4.2 - SCREEN FOR CLIMATE CHANGE, ENVIRONMENTAL JUSTICE, AND HEALTHY COMMUNITIES GAPS
 - TASK 4.3 – ASSESS AVAILABLE REVENUES AND EXPLORE STRATEGIC DIRECTIONS FOR FUTURE INVESTMENT
- TASK 5 – PREPARE DRAFT AND FINAL NEEDS ASSESSMENT