



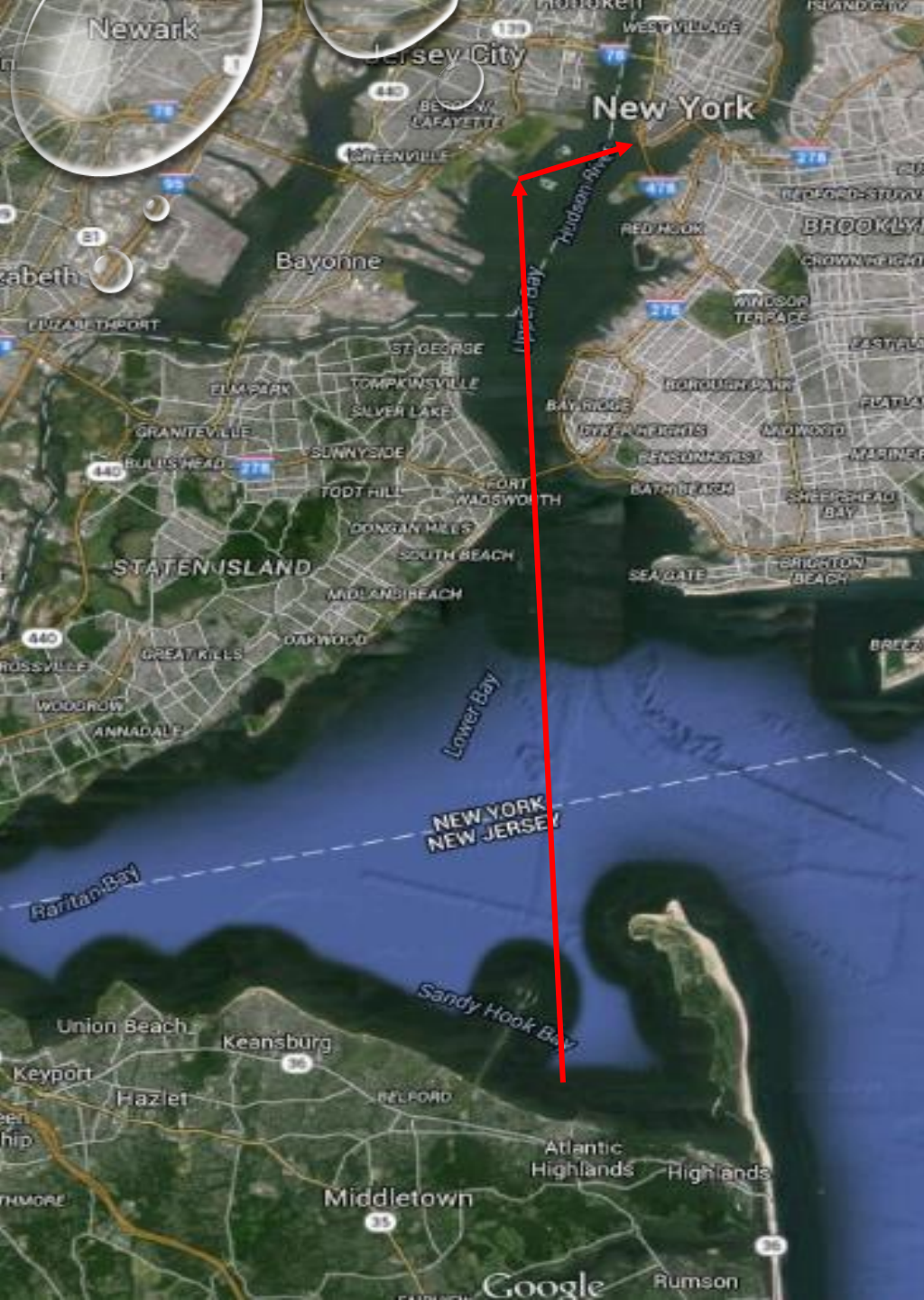
USEPA DERA PORTS GRANT

SEASTREAK PASSENGER

FERRY REPOWER

NJDEP

**BUREAU OF MOBILE
SOURCES**



GRANT SPECIFICS

- 2014 USEPA \$5 MILLION DERA PORTS GRANT
- \$1.382 MILLION WAS AWARDED TO NJDEP
- SEASTREAK'S MANDATORY COST SHARE - \$2.09 MILLION
- PROJECT DESCRIPTION:
 - REPLACE 4 – TIER 1 ENGINES WITH 2-TIER 3 ENGINES
 - REPLACE 4 GEARBOXES WITH 2 PROPULSION GEARBOXES
 - REPLACE 4 JETDRIVE PROPULSION THRUSTERS WITH 2 NEW THRUSTERS PROPERLY SIZED TO THE NEW ENGINES



WORK IN PROGRESS

SEASTREAK ENGINES



BEFORE



AFTER

CONTROL PANEL



BEFORE



AFTER

ELECTRONIC GAUGES



BEFORE



AFTER

RESULTS

- ANNUAL EMISSION REDUCTIONS
 - 5.78 TONS PM_{2.5}
 - 132 TONS NO_x
 - 821 TONS CO₂
- INCREASED SEATING CAPACITY
- 30% REDUCTION IN FUEL COSTS
- QUIETER ENGINES

