



## SOUTH BRUNSWICK BOARD OF EDUCATION

### **BUILDINGS / AREA**

14 / 1,328,900 sq ft

### **PROJECT VALUE**

\$27,072,163

### **PROJECT TERM**

20 Years

### **ECMs IMPLEMENTED**

- ✓ LED Lighting Replacement
- ✓ Districtwide EMS
- ✓ Retro-Commissioning
- ✓ Boiler & Chiller Replacement
- ✓ Rooftop Unit Replacement
- ✓ Multi-Zone AHU Replacement
- ✓ DHW Upgrades; VFDs on Hot Water Pumps
- ✓ Dual Temp CHW & HW HVAC System
- ✓ Dynamic Air Cleaners
- ✓ Water Conservation
- ✓ Combined Heat and Power

### **RENEWABLE ENERGY**

15-Year Solar Power Purchase Agreement

### **STATUS**

Completed 2020

When South Brunswick BOE received financing, it was the largest ESIP project in the history of the program. The \$27M project completely renovated the HVAC system of one of the biggest high schools in the state of NJ. The 14-building district, totaling 1,328,900 square feet, was experiencing humidity and indoor air quality issues and had utility usage that greatly exceeded its peers across the state. LED Lighting, 4+ megawatts of new solar arrays, a districtwide energy management system, combined heat and power, and \$10M+ of HVAC upgrades contributed to the District exceeding its annual energy savings goals by more than 30%. A significantly improved learning environment across the District has been felt by students, teachers, facilities staff and administration. DCO Energy and South Brunswick continue our successful relationship to this day to assure that the ESIP goals are maintained and provide the District with a trusted advisor to address the energy challenges to come.

### **CONTACT**

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### **LOCATION**

231 Black Horse Lane, North Brunswick, NJ 08902

### **FIRST YEAR M&V SAVINGS**

Saved \$1,090,124; goal was \$764,106

“DCO Energy solved the District’s reoccurring problems with excessive humidity, moisture intrusion and indoor air quality issues. Air conditioning was added in a construction process that was streamlined and efficient. DCO’s innovation exceeded our expectations.”

Dave Pawlowski, Business Administrator  
South Brunswick School District

