



**Hanscom Air Force Base (AFB) is home to the 66th Air Base Group, part of the Air Force Life Cycle Management Center. The 66th Air Base Group secures, supports, and sustains more than 10,000 active duty, Reserve, and National Guard military personnel and Department of Defense civilians and contractors.**

In 2016, NORESKO was awarded an ESPC project at Hanscom AFB. The cornerstone of this project is a new 4.6-MW cogeneration plant that delivers utility cost savings and improves electrical and steam generating reliability. The cogeneration plant operates on a microgrid to provide emergency power to critical locations on the base during utility outages. The central steam plant is powered by the electric and steam output of the cogeneration plant if power from the traditional grid is unavailable.



This **\$45.4 million** ESPC project will generate more than **\$96.4 million** in guaranteed cost savings.



Safety: this project was implemented with **no OSHA violations** or fines.



Energy conservation measures included a **4.6-MW cogeneration plant**, new **LED lighting**, extensions of **natural gas service** to select buildings, and replacement of oil-fired boilers and burners with **gas-fired equipment**.



This ESPC has **exceeded the annual savings guarantees** in every year of performance.



The total job creation impact of this ESPC was approximately **431 jobs**, including the ESCO, installation subcontractors, and manufacturing (Direct Job Impact for ESPC Projects – Federal Performance Contracting Coalition).



This project represents the single **largest energy resiliency improvement ever** made at Hanscom AFB.



This ESPC reduced carbon dioxide emissions by **25,863 metric tons**, sulfur oxide emissions by **70 metric tons**, and nitrogen oxide emissions by **15 metric tons**, annually.



This ESPC project was recognized with a **DOE 2022 Federal Energy Management Program Award**.

NORESCO's ESPC work for the U.S. Air Force dates back to 1998 with our project at Cape Canaveral Air Station. Since 1984, NORESKO projects have saved more than 120 million MMBtu of energy, 20 billion kWh of electricity, and 50 billion gallons of water and provided more than \$5 billion in guaranteed energy, water, and resource savings.