

The logo for VELCO, consisting of the word "VELCO" in a bold, white, sans-serif font.

VERMONT'S TRANSMISSION RELIABILITY RESOURCE

VELCO Major Asset Condition Projects

VSPC Geographic Targeting
Subcommittee

September 19, 2014

9/19/2014

MOVING **POWER**. MOVING **FORWARD**.



Asset condition improvement program

- Ensures reliable operation of our existing transmission assets
- Ensures compliance with current design codes and standards
- Seeks to prevent catastrophic failures and consequent safety and environmental impacts
- Major elements of the condition improvement program
 - Essex STATCOM refurbishment
 - PV20 submarine cable replacement
 - Substation condition assessment
 - Identified refurbishment at Newport, Sand Bar, St Albans, Florence, Barre, Berlin, Chelsea, and Windsor
 - Line structure condition assessment
 - Inspected over 5,200 structures and plan for the replacement of 300 structures per year for the next 5 years
 - Transformer condition assessment
 - Questionable transformers condition at St Albans, Hartford, Highgate, Irasburg, Bennington, Berlin, Ascutney, and Coolidge