SECURING REMOTE USER SESSIONS

PHYSICAL SECURITY TOKENS

VERMONT SECRETARY OF STATE
JON WELCH
IT DIRECTOR

Office of the Vermont Secretary of State
TIMELINE (SECURITY MEASURES)

- OCTOBER 2016 - DEPLOYED WEB APPLICATION FIREWALLS
- JULY 2018 - VERSION 1: IMPLEMENTED MFA FEATURE
- SUMMER 2020 - VERSION 2: ENHANCING MFA SECURITY
WHY IMPLEMENT THIS CHANGE?

- E-MAIL ACCOUNTS CAN EASILY BE COMPROMISED
- SMS MESSAGES CAN BE INTERCEPTED
- PHYSICAL TOKENS HAVE UNIQUE IDENTIFIERS
EASE OF DEPLOYMENT & MANAGEMENT

- CONFIGURE ELECTION APPLICATION
- DISTRIBUTE PHYSICAL TOKENS
- ENROLL USERS
- BACKUP PLAN
- REVOKE USER/KEY
POTENTIAL CHALLENGES

- DELIVERY OF PHYSICAL TOKENS
- DIFFERENT USB VERSIONS
- MISPLACED/LOST PHYSICAL TOKENS