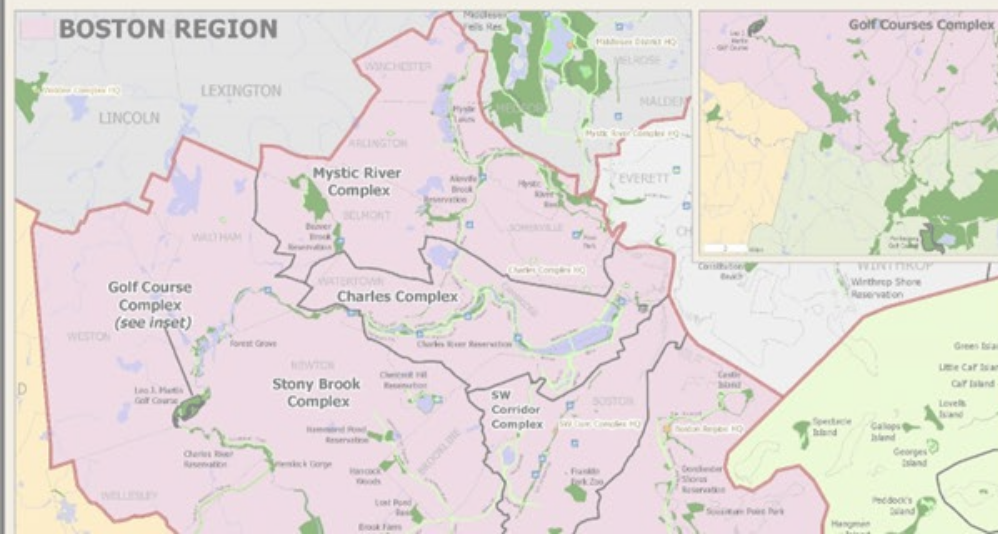
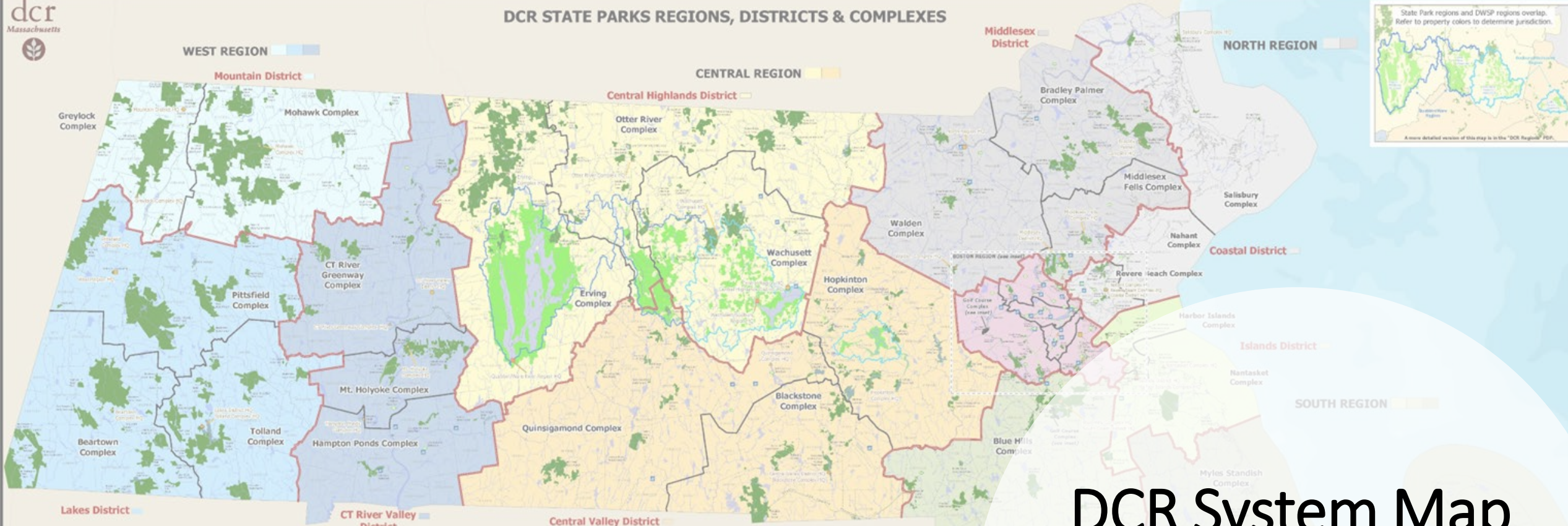




DCR's Statewide Climate Adaptation
&
Decarbonization Initiative

Department of Conservation
and Recreation

Robert Lowell



- DCRB Complex HQ
 - DCRB District HQ
 - DCRW Region HQ
 - DCR (State Parks) Region HQ
 - DCR Main HQ
 - State Parks Ice Rinks
 - State Parks Swimming Pools
 - State Parks (owned & managed)
 - DC of Water Supply Protection (DWSP) owned
 - District Boundary
 - Complex Boundary
 - Towns
 - Bicycle Trails
 - DCR Parkways
- DCRW Regions**
- Quabbin/Ware Region
 - Sudbury/Wachusett Region
- State Parks Regions**
- West Region
 - Mountain District
 - Lakes District
 - CT River Valley District

DCR System Map

487 Sites

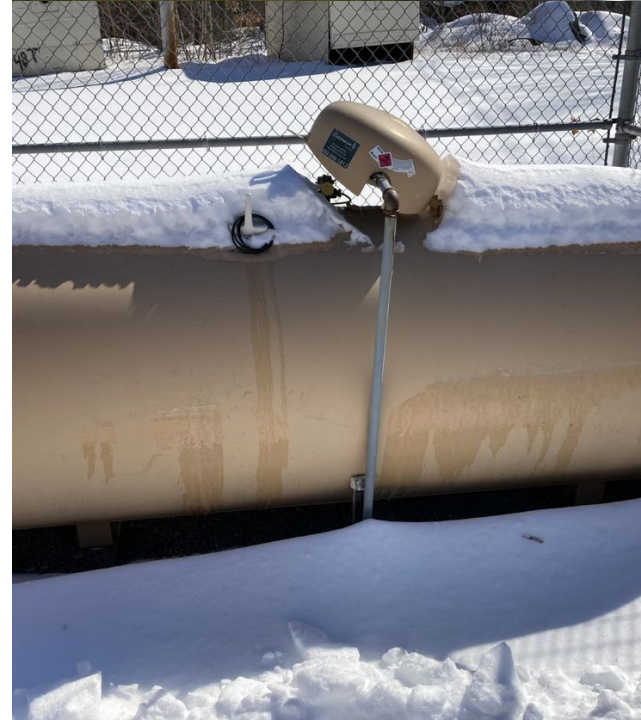
1,492 Buildings*

*according to DCAMM's annual real property report DCR has more than twice as many buildings as any other state agency.
(DCR- 1,492, DOT- 697, DOC- 527, UMA- 367, DCAMM- 199)

Heating System Replacements

This project will accelerate heating system replacements and upgrades to reduce or eliminate DCR's burning of fossil fuels like gas, oil and propane which contribute to greenhouse gas emissions.

- Conducted comprehensive statewide heating system inventory
- Heating related equipment: 585
- Conversion to Heat Pumps
- Next Year: Large building systems



Statewide Decarbonization Initiative Priorities

- Prioritized swap outs of inventory with following criteria
 - Major user (highest emissions)
 - Environment Justice Communities
 - System age, condition, performance
 - Building size and use
- Air source heat pumps are preferred, ease of install with in house technicians
- DCR goal to replace 30 systems in FY23
- Solar Canopies for eV Charging



DCR Flood Control and Dam Safety

- Amelia Earhart Dam Raise Design & Construction to protect Mystic River Reservation (ARPA 2.0)
- Draw 7 Park Construction in coordination with Mystic Crossing Bridge
- New Charles River Dam Sector Gate Design & Construction
- Removal of Bel Air Dam, Pittsfield and contaminated sediments
- Public Lands (PL566) Dam Rehabilitation (NRCS federal partnership)
- DCR Parkway Vulnerability Assessment



DCR Stormwater Management

- Groundwater Recharge / Nutrient Uptake by Vegetation
- Landscape Design - Management & Maintenance
- Permeable Pavement Design & Heat Reducing Paving Materials for parking lots and sidewalks

