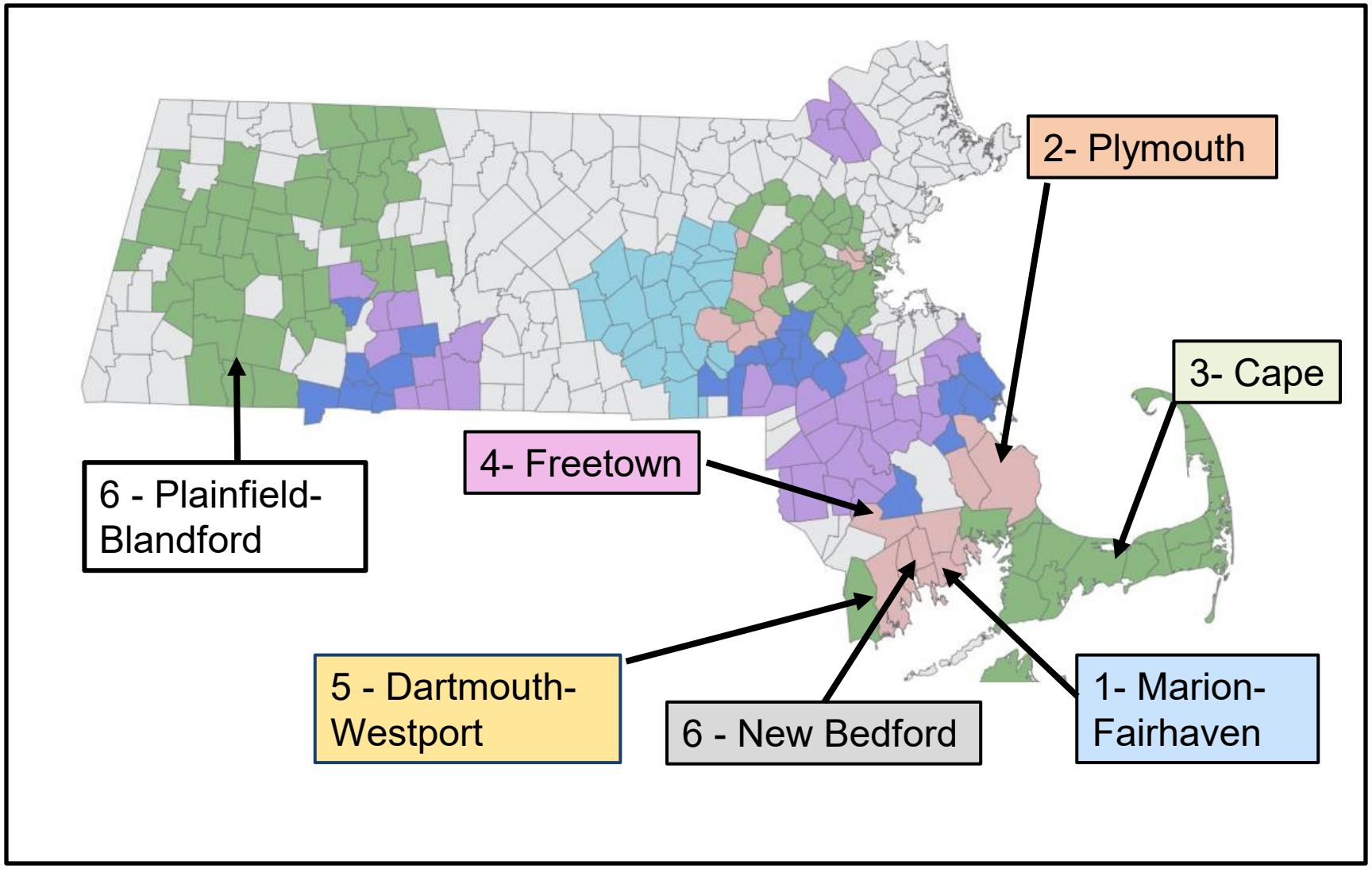
DPU 20-75
Group Study

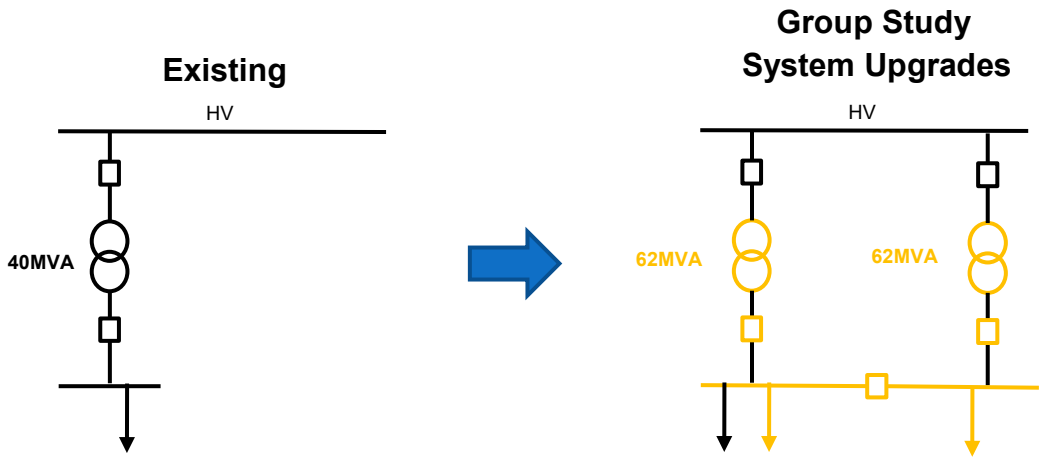
Attachment EDC-1 b.

- DPU 20-75 Information Request
  - Schematic configuration of each substation that requires upgrade
  - Station Changes needed to interconnect the group study DG
  - Comprehensive Solution beyond the group study

MA DER Group Study Area



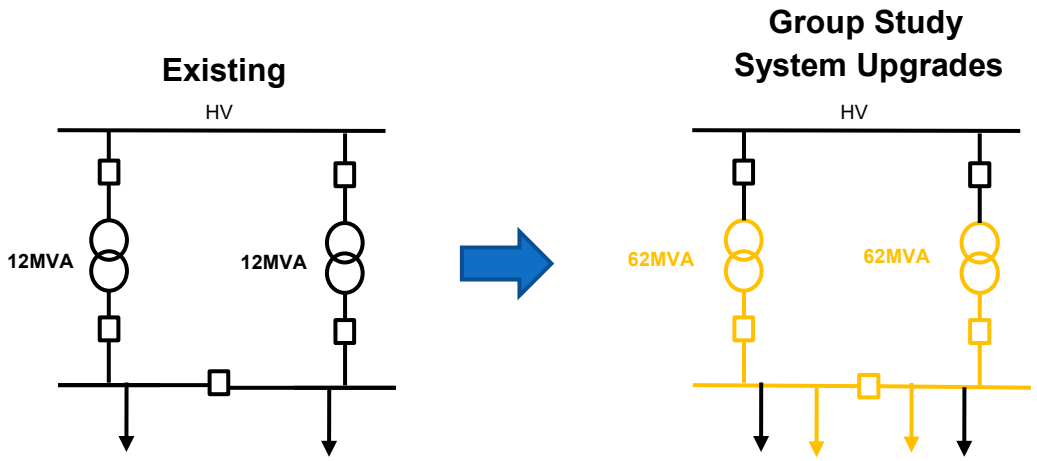
Crystal Spring (Marion-Fairhaven)



Group Study System Upgrades:

- Upgrade existing 40MVA transformers and sections of switchgear
- Add a second transformer and section of switchgear
- New feeder positions and one double bus tie breaker
- ~3 miles of Transmission Line Extension

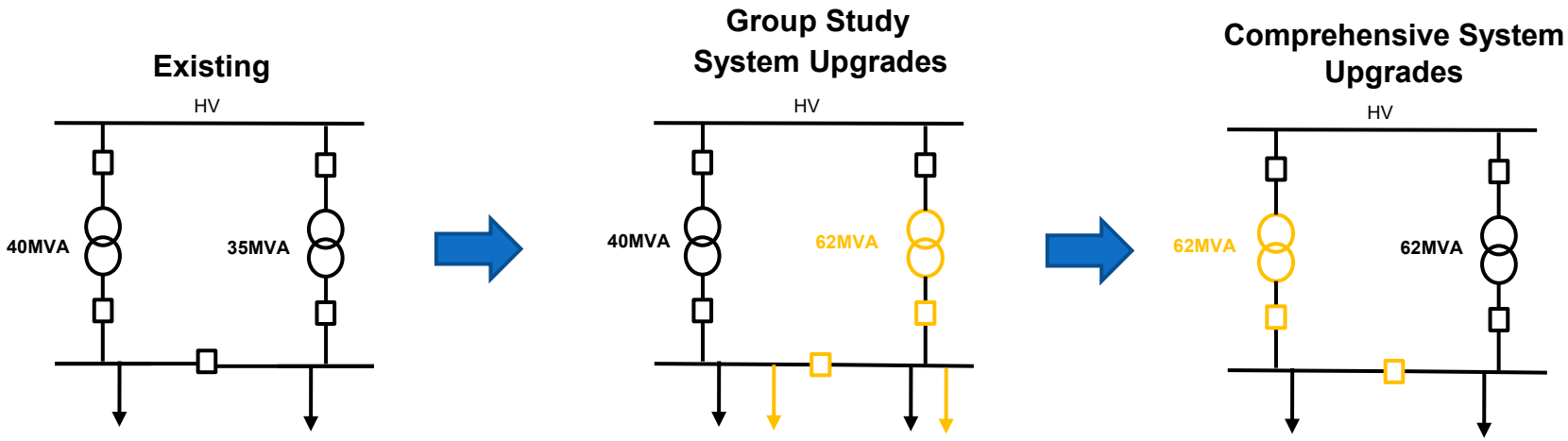
EMA Rochester Substation (Marion-Fairhaven)



Group Study System Upgrades:

- Upgrade 2 existing transformers and switchgear sections
- New feeder positions and one double bus tie breaker

EMA Wing Lane Substation (Marion-Fairhaven)



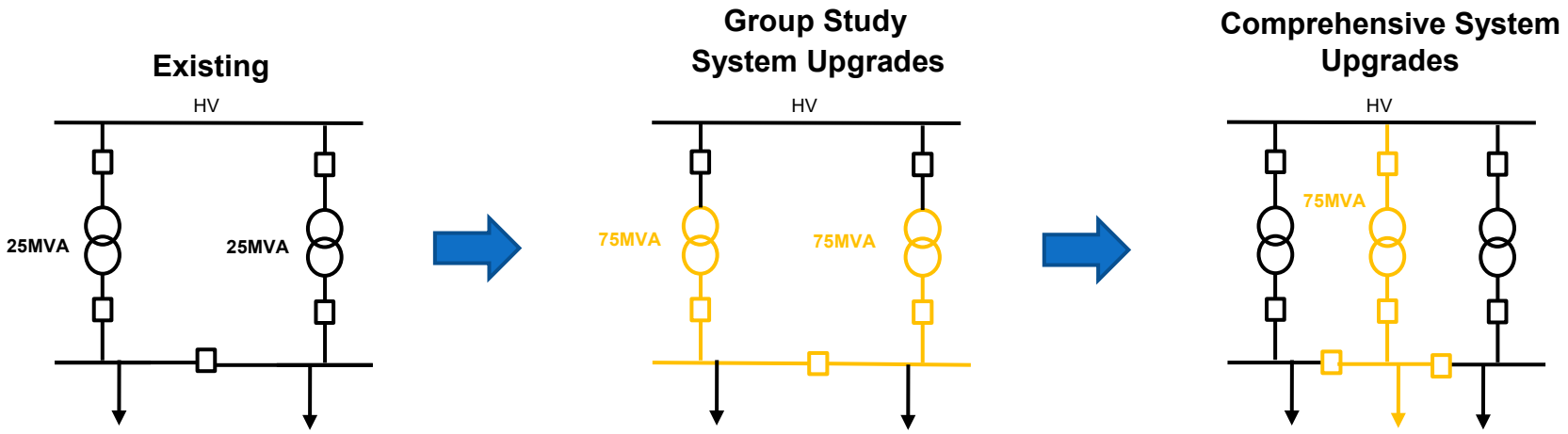
Group Study System Upgrades:

- Upgrade existing 35MVA transformers
- New feeders and one double bus tie breaker

Comprehensive System Upgrades

- Upgrade existing 40MVA transformers

EMA Tremont (Plymouth)



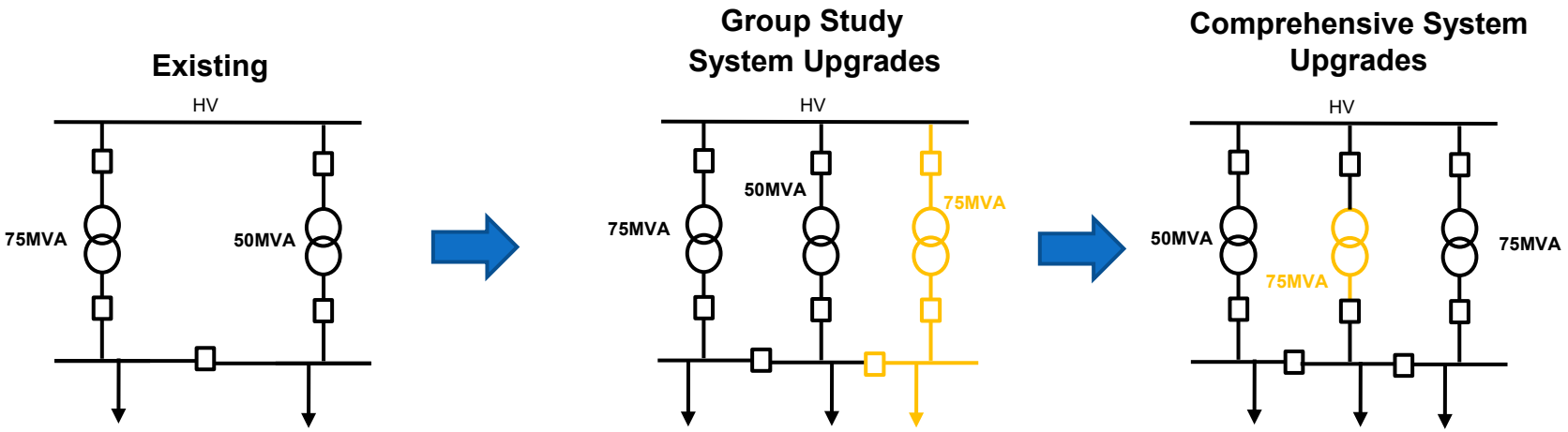
Group Study System Upgrades:

- Upgrade two existing transformers and switchgear
- One double bus tie breaker and new feeder positions

Comprehensive System Upgrades

- Add a third transformers and switchgear
- One double bus tie breaker and four feeder positions

EMA Wareham (Plymouth)



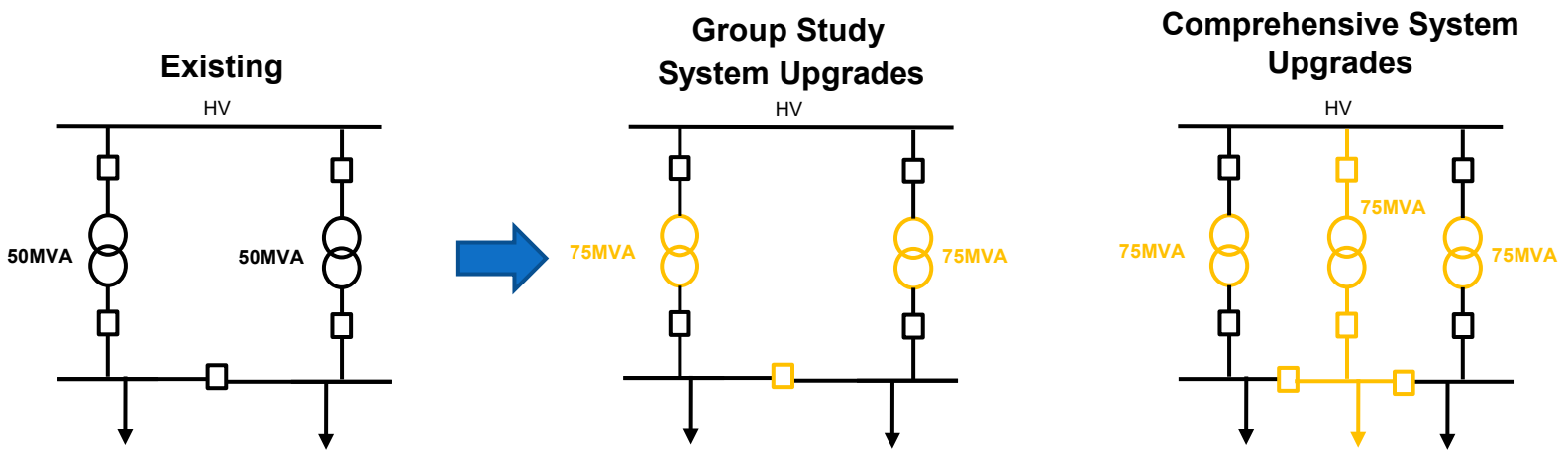
Group Study System Upgrades:

- Add third transformer and switchgear and new feeder positions
- Upgrade on 50MVA transformers and add double bus tie breaker

Comprehensive System Upgrades

- Upgrade existing 50MVA transformers

EMA West Pond (Plymouth)



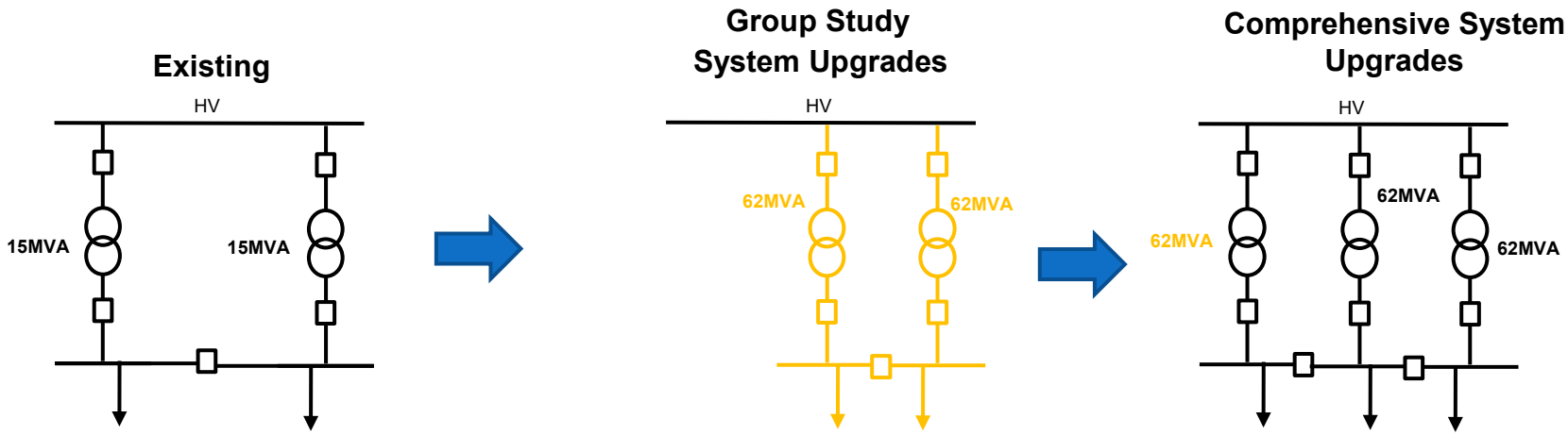
Group Study System Upgrades:

- Upgrade two existing transformers
- One double bus tie breaker and additional feeders

Comprehensive System Upgrades

- Add a third transformers and switchgear
- One double bus tie breaker and additional feeder positions

EMA Bell Rock / Assonet (Freetown)



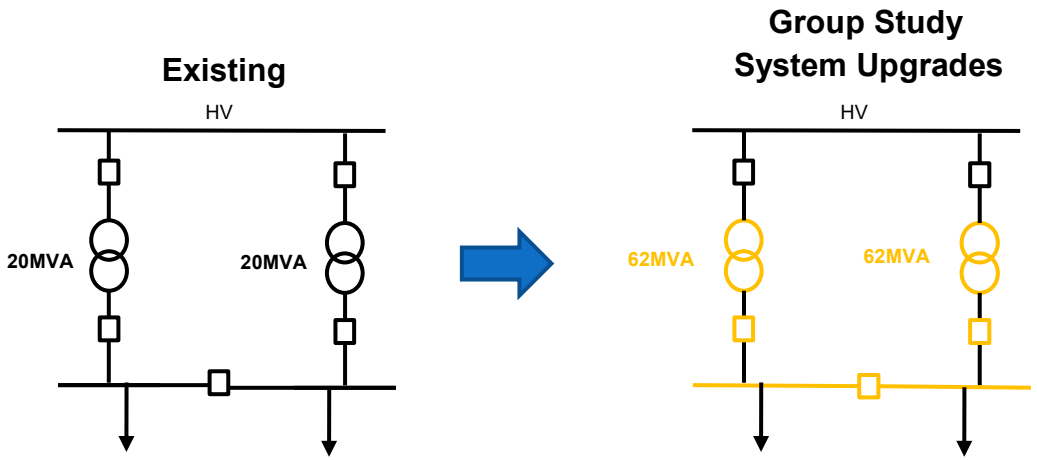
Group Study System Upgrades:

- Upgrade Substation
- Additional feeder positions and one double bus tie breaker

Comprehensive System Upgrades

- Add a third transformers
- Four feeder positions per bus and one double bus tie breaker

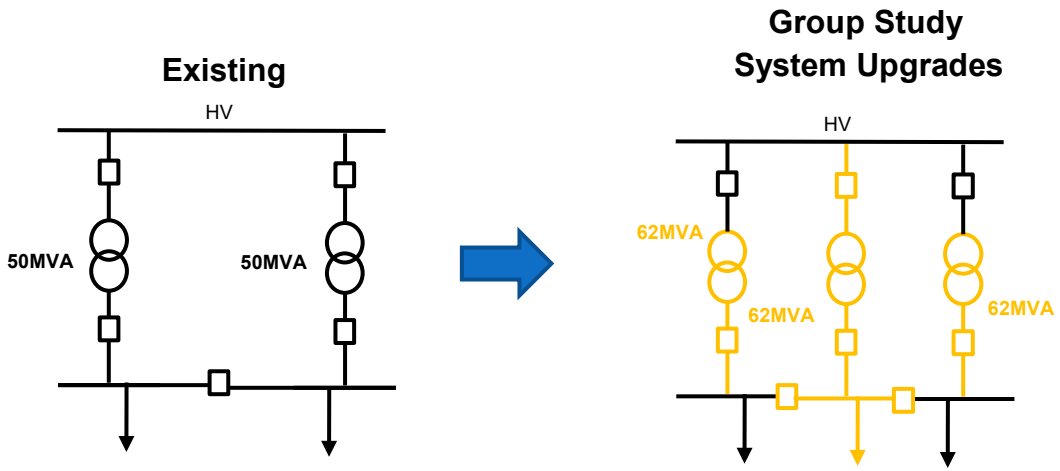
EMA Fisher Road (Dartmouth-Westport)



Group Study System Upgrades:

- Upgrade 2 existing transformers and 2 new sections of switchgear
- Additional feeder positions and one double bus tie breaker

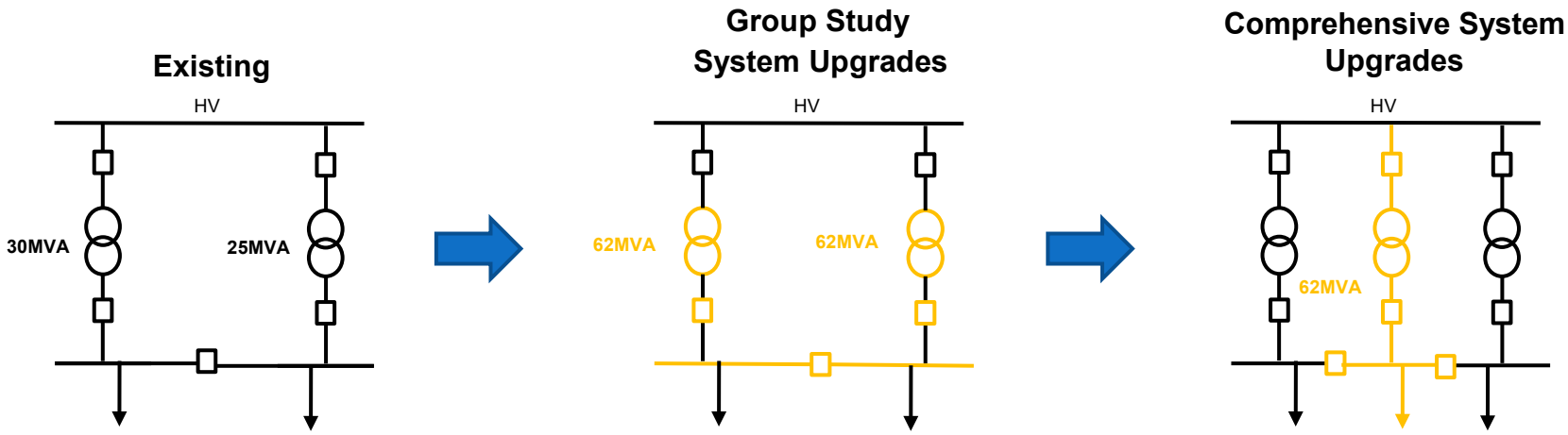
EMA Industrial Park (New Bedford)



Group Study System Upgrades:

- Upgrade 2 existing transformers
- Additional feeder positions and one double bus tie breaker
- Add a third transformers and 1 additional section of switchgear
- Add additional feeder positions and double bus tie breaker

WMA Blandford Substation



Group Study System Upgrades:

- Upgrade 2 existing transformers and 2 new sections of switchgear
- Additional feeder positions and one double bus tie breaker

Comprehensive System Upgrades

- Add a third transformers and 1 additional section of switchgear
- Add additional feeder positions and double bus tie breaker