



AMERICAN DEVELOPMENT
INSTITUTE

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SUMMARY

ADI Energy and B-G Mechanical perform design-build services of energy conservation measures at North Shore Community College's Lynn and Danvers campuses.

*DCAM Massachusetts Energy
Massachusetts Energy Conservation
Energy Efficiency Massachusetts*

Investment: \$3.4 million
Annual Savings: \$389,153

SERVICES

- Central plant energy design
- Commercial energy services
- Energy savings analysis
- Preparing/analyzing energy savings M&V reports
- Energy audit
- Energy design build services
- Energy savings HVAC
- Energy analysis
- Energy financial analysis
- ESCO
- National grid energy incentive
- Retro-commissioning
- Recommissioning
- Sustainability energy solutions
- Utility reduction

MEASURES

- HVAC
- Boilers
- Lighting
- Energy Management Systems

North Shore Community College



UNIQUE VALUE TO CUSTOMER

The Division of Capital Asset Management (DCAM) selected ADI Energy and B-G Mechanical to perform design-build services of energy conservation measures at North Shore Community College's Lynn and Danvers campuses.

ADI Energy was responsible for complete design and commissioning services of the North Shore Community College project as well as the installation of lighting upgrades.

The main elements of the North Shore Community College project included: heating conversion from electric to natural gas fired hot water boilers, conversion of chilled water system to 2-pipe heating / cooling switchover system, addition of new chiller and cooling tower, and major upgrade of the EMS.

ADI Energy designed the 2-pipe heating / cooling system which took advantage of the large existing cooling coils in the AHU's. These coils provided an excellent opportunity to use low temperature hot water provided by condensing boilers. This type of system operates in excess of 95% efficiency.