

**Project Title:** Dupre Library Boiler Replacement

**Location:** Dupre Hall

**Project Scope:** Replace existing boiler with a new Basis of Design, **Lochinvar PBN3500M9 Power-Fin Commercial Gas Boiler** and complete associated mechanical, plumbing, and electrical work to ensure proper system integration and operation. All substitutions must be prior- approved as described in front end specifications.

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**Equipment and Materials Included:**

- (1) **Lochinvar PBN3500M9 Power-Fin Commercial Gas Boiler (or prior approved substitution).**
  - Low temperature protection valve
  - Transformer
  - Vertical in-line pump
  - Circuit setter
  - New flue piping
  - New check valve
  - Insulation materials
  - Required fittings and connection hardware
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**Scope of Work:**

**Demolition and Removal:**

- Lockout/Tagout (LOTO) air compressor and remove it to clear path for boiler access
- Disconnect existing boiler from:
  - Electrical power
  - Flue vent
  - Water supply and return
  - Relief piping
  - Gas piping
- Remove and properly dispose of existing boiler

**Installation:**

- Install new Lochinvar PBN3500M9 boiler
- Modify and reroute:
  - Cold water, hot water, and gas piping to connect new boiler to the existing building systems

- Steel piping as required; insulate all new piping
- Install new:
  - Vertical in-line pump
  - Low temperature protection valve
  - Circuit setter
  - Transformer
  - Flue vent system
  - Check valve on system
- Reconnect:
  - Electrical wiring and controls
  - Gas piping
  - Water side piping (supply/return)
- Fill the system, purge air, and verify no leaks

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**Commissioning:**

- Provide factory-authorized start-up services
- Verify boiler operation and confirm system functionality

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**Labor Involved:**

- Labor to demo and remove existing equipment
- Skilled mechanical and plumbing labor for new installation
- Electrical reconnections and system tie-ins
- Insulation of newly installed piping

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**Deliverables:**

- Fully installed and operational Lochinvar boiler system
- Properly routed and insulated piping
- Commissioning report from factory-authorized start-up

**Standards of Quality:**

- Any product or service bid shall conform to all applicable federal, state and local laws and regulations, and the specifications contained in the solicitation.
- Any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired; and is not intended to limit or restrict competition.
- Bidder must specify the brand and model number of the product offered in his bid upon request.

- Any substitutions must meet or exceed the standard of quality in all areas of the description provided of the product described in these specifications.
- Any substitutions must be able to fit in same footprint as existing system and disconnect and reconnect at same electrical and mechanical locations, with minimal to no additional piping and wiring.

**Awarded Products/Unauthorized Substitutions:**

- Only those awarded brands and numbers stated in the UL Lafayette contract are approved for delivery, acceptance, and payment purposes.
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- Any substitutions must be reviewed and approved by the UL Lafayette Facilities Management prior to bid deadline in accordance with the instructions for prior approval included in these specifications.
- Unauthorized product substitutions are subject to rejection at time of delivery, post-return at vendor's expense, and non-payment.