

District Name: Newport Independent District Code: 452 Facility Name: Newport Primary School Code: 020
Newport Intermediate Date: 1.15.20 REH: 149-1019 Code: 040
Project Name: Water Heater Replacements

PROJECT TYPE: Yes No Gross Building Area (sf.)

New Building ☐ ☐ _____

Addition ☐ ☐ _____

Renovation ☒ ☐ _____

Provisions for Future Expansion: _____

Proposed Alternates: (1) _____

(2) _____

(3) _____

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.

Work to be scheduled and coordinated as to not interfere with daily operations and hot water demands of each facility.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: _____

Exterior Walls: _____

Roof Structure: _____

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

_____ Energy Consumption "Existing" (kBtu/sf/yr)

_____ Energy Consumption Target (kBtu/sf/yr)

YES NO

☐ ☒ LEED Certified Other: _____

☐ ☒ Designed to meet Energy Star

☒ ☐ Exceeds ASHRAE 90.1(2007) by 10% (Minimum)

☐ ☒ Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design

Life Cycle Cost Analysis Software Used: _____

If not yes to one or more of the above, explain why. _____

☐ ☒ Designed to be Net-Zero

☐ ☒ Designed to be Net-Zero Ready

Energy Efficient Design Features: (See List Page 4, or Use Drop Down List)

East / West Building Orientation ☐ YES ☐ NO

Gross Exterior Wall Area (sf): _____ Avg. Exterior Wall R-Value: _____

Gross Window / Door Area (sf): _____ Avg. Window/Door R-Value: _____

Gross Roof Area (sf): _____ Avg. Roof R-Value: _____

Exterior Wall Type: _____ Other: _____

Roofing Type: _____ Other: _____

HVAC System Type: L - other Other: 4-pipe boiler/chiller

Classroom Lighting: _____ Other: _____

Active Daylighting: _____ Other: _____

Passive Daylighting: _____ Other: _____

On Site Energy Generation: G - none Other: _____

Project: Newport Primary/Intermediate Water Heater Replacements REH: 149-1019 Date: 1.15.20

Air Purification Systems : YES ☐ NO ☒

Gray Water System : YES ☐ NO ☒

Low Water Use Fixtures : YES ☐ NO ☒

Other: _____

PLUMBING:

Type of Sewage Disposal: Municipal

HEATING, VENTILATION AND AIR CONDITIONING:

Heating Only: _____ Heating & Mechanical: _____ HVAC: x A/C Only: _____
Ventilation Only

Fuel Source/Backup (if applicable): Natural gas

ELECTRICAL:

Source of Electric Power: _____ Lighting Intensity (fc.):

Voltage Serving Facility: _____ Std. Classrooms _____

Number of Convenience Outlets: _____ Library/Media Ctr _____

Classrooms _____ Science Lab _____

Library/Media Center _____ Science Cirm _____

Business Ed _____ Band/Music _____

Family & Consumer Science _____ Shops _____

Camera System: _____ Corridors _____

Stairways _____

Cafeteria _____

Pre-School Cirm _____

Art Classroom _____

Gymnasium _____

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
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Bell	_____	_____	_____
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Clock	_____	_____	_____
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Fire Alarm	_____	_____	_____
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Intercom	_____	_____	_____
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Telephone	_____	_____	_____
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Television	_____	_____	_____
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Computer	_____	_____	_____
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Wireless Network	_____	_____	_____
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Interactive White bd	_____	_____	_____
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Voice Amplification	_____	_____	_____
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FIXED EQUIPMENT:

Teacher Cabinet	_____	Custodial Room Shelves	_____
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Student Lockers	_____	Science Laboratories	_____
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Folding Bleachers	_____	Family & Consumer Sci	_____
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Library Furnishings	_____	Other	_____
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Dry Food Shelves	_____	Other	_____
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Project: Newport Primary /Intermediate

REH Project 139-1019

Date: 1/15/20

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office				
Corridors				
Custodial				
Kitchen				
Cafeteria				
Gym				
Showers/Locker				
Toilets				
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				


Miscellaneous Project Specific Features:

Kentucky Registered Architect:


Signature
Robert Ehmet Hayes & Associates, PLLC

Date: 1-16-20

Kentucky Registered Engineer:


Signature
STW Engineers

Date: 1/15/2020

Board Designee or Superintendent:

Signature

Date:

Energy Efficient Design Features Lists

Exterior Wall Type

- A - face brick, captured air space, board insulation and waterproof CMU
- B - face brick, captured air space, sprayed insulation on CMU
- C - face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D - face brick, ICF poured concrete, interior finish system
- E - other, describe

Roofing Type List

- A - modified bitumen over rigid insulation
- B - EPDM over rigid insulation
- C - plastic single ply over rigid insulation
- D - metal roofing over nailable deck with insulation
- E - asphalt shingle roofing over nailable deck with insulation
- F - other, describe

HVAC System Type List

- A - two pipe unit ventilator system
- B - water source heat pump system with air make up
- C - ground source heat pump system with air make up
- D - hybrid water source heat pump system with boiler/chiller and well field with air make up
- E - variable refrigerant flow (VRF) with air make up
- F - hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G - variable refrigerant volume (VRV) with air make up
- H - hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I - chilled beam system
- J - hybrid chilled beam/geothermal system
- L - other

Classroom Lighting List

- A - T8 fluorescent fixtures
- B - T5 fluorescent fixtures
- C - high energy gas fixtures
- D - low voltage systems
- E - other

Active Daylight System List

- A - classroom fluorescent dimming including dimming switches, ballasts and sensors
- B - occupancy light control sensors
- C - remote sensor bi-level lighting with no fixtures dimming
- D - manual bi-level lighting with no fixture dimming
- E - other
- F - none

Passive Daylight Systems List

- A - upper classroom clerestory lighting with sloped ceiling plane
- B - lower classroom clerestory lighting that does NOT require sloping the ceiling plane
- C - exterior light shelves
- D - solar tubes without dimming
- E - solar tubes with internal dimmers
- F - other
- G - none

On Site Energy Generation List

- A - solar water heating
- B - solar electric generation (small units for demonstration or for limited areas)
- C - solar electric generation (to support the entire building's energy needs)
- D - wind generation (small units for demonstration or for limited areas)
- E - wind generation (to support the entire building's energy needs)
- F - other
- G - none

For Reference