## **Baton Rouge School of Visual and Performing Arts**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** BR Center for Visual Performing Arts **Building Letter/Number:** Bldg. A, B, C, E, F

Yes/No	System Type:
YES	Air-Cooled Chillers
TES	Water Cooled Chillers
VEC	Heat Type:  Hot Water
YES	
	Electric
YES	Fan Coils
	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multi-zone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
YES	2-pipe
	4-pipe
L	<u> </u>

Good, Fair, Poor	System Condition:
Poor	General System Condition Campus Wide
25+	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
Poor	Piping Insulation
N/A	Ductwork Condition
	Boiler Condition

## **Baton Rouge School of Visual and Performing Arts**

Refrigerant Type:	
Energy STAR Rating:	
ASHRAE Life Expectance 20 yrs.	
SEER/EER Rating N/A	
Manufacturer McQuay	
General Comments:	
Unit's in operable condition.	
System Description/Summary	
(23) McQuay 2-pipe fan coil units	
Status and Function of Controls	

## **Baton Rouge School of Visual and Performing Arts**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** BR Center for Visual Performing Arts

Building Letter/Number: Bldg. D

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
	Fan Coils
YES	DX Package, Split System
	Heat Type:
	Hot Water
YES	Electric
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multi-zone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
Fair	General System Condition Campus Wide
24	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
Fair	Ductwork Condition
	Boiler Condition

## **Baton Rouge School of Visual and Performing Arts**

Refrigerant Type: R22	
Energy STAR Rating:	
ASHRAE Life Expectance 15 yrs.	
SEER/EER Rating <9	
Manufacturer Trane, Carrier	
General Comments:	
Unit's in operable condition.	
System Description/Summary	
(4) DX package unit	
Status and Function of Controls	

## **Baton Rouge School of Visual and Performing Arts**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** BR Center for Visual Performing Arts

Building Letter/Number: Bldg. H

Yes/No	System Type:
YES	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
YES	Hot Water
	Electric
	Fan Coils
	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multi-zone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
YES	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
Fair	General System Condition Campus Wide
20	Age of Unit:
	Chilled Water Piping
Fair	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
Fair	Piping Issues
Fair	Piping Insulation
	Ductwork Condition
Fair	Boiler Condition

## **Baton Rouge School of Visual and Performing Arts**

Refrigerant Type:	
Energy STAR Rating:	
ASHRAE Life Expectance 20 yrs.	
SEER/EER Rating N/A	
Manufacturer Chiller – Trane Boiler – American Standard	
General Comments:	
Unit's in operable condition.	
System Description/Summary	
(1) Trane air cooled chiller, (1) water tube boiler. This is a 2-pipe s	chool.
Status and Function of Controls	

## **Baton Rouge School of Visual and Performing Arts**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** BR Center for Visual Performing Arts

Building Letter/Number: Bldg. D

Yes/No	System Type:
,	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
	Fan Coils
YES	DX Package, Split System
	Heat Type:
	Hot Water
YES	Electric
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multi-zone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
Fair	General System Condition Campus Wide
20	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
Fair	Ductwork Condition
	Boiler Condition

## **Baton Rouge School of Visual and Performing Arts**

Refrigerant Type: R22	
Energy STAR Rating:	
ASHRAE Life Expectance 15 yrs.	
SEER/EER Rating <9	
Manufacturer Trane, Carrier	
General Comments:	
Unit's in operable condition.	
System Description/Summary	
(1) DX split system unit w/ electric re-heat vav's	
Status and Function of Controls	

## **Baton Rouge Foreign Language Academic Immersion Magnet**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: VALLEY PARK

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Baton Rouge Foreign Language Academic Immersion Magnet**

	Hot Water Piping	N/	I/A
	Piping Issues	N	I/A
	Piping Insulation	F	AIR
	Ductwork Condition	F	AIR
	Boiler Condition	N	I/A
Refrigerant Type:			
Energy STAR Rating:			
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:			
General Comments:			
	A-BUILDING MAIN BLDG		
	CHILLERS IN C BUILDING		
System Description/Summary:			
	ZONE ROOFTOP AHUS WITH ELECTRIC HEAT ON HOT DECK		
	ZONE CONTROLS ON AHU		
Status and Function of Controls:			
Status and I unction of controls.			

## **Baton Rouge Foreign Language Academic Immersion Magnet**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: VALLEY PARK

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	 2013
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	 N/A

## **Baton Rouge Foreign Language Academic Immersion Magnet**

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	A-BUILDING MAIN BLDG	
	CHILLERS IN C BUILDING	
System Description/Summary:		
CIWI I W	SINGLE ZONE DX SPLITSYSTEMS	
CHILL W	ATER AHUS AND ROOFTOP PACKAGE UNIT FOR 2ND FLOOR	
Status and Function of Controls:		
Status and Function of Controls.		

## **Baton Rouge Foreign Language Academic Immersion Magnet**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: VALLEY PARK

Building Letter/Number: C - CHILLER MECH

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Baton Rouge Foreign Language Academic Immersion Magnet**

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	MCQUAY	
General Comments:		
	CHILLER MECH	
See to Decide (Green		
System Description/Summary:	ATERCOOLED RECIP CHILLERS WITH FIXED PUMPING	
W	PNEUMATIC TOWER FAN AND BYPASS CONTROLS	
Status and Function of Controls:		

## **Baton Rouge Magnet High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name Baton Rouge Manget HS
Building Letter/Number A

Yes/No	System Type	
	Air-Cooled Chillers	
yes	Water Cooled Chillers	
	Heat Type:	
		Hot Water
		Electric
yes	DX Package, Split System	
	Heat Type:	
		Hot Water
		Electric
	RTU Unit	
	Heat Type:	
		Hot Water
		Electric
	VRF Multizone Package U	Init
	Heat Type:	
		Hot Water
		Electric
	Chilled Water Piping:	
		2-pipe
yes		4-pipe

Good, Fair, Poor System Condition:

	-,	
fair	General System Condition	n Campus Wide
fair		Age of Unit:
fair	Chilled Water Piping	
fair		Piping Issues
fair	Condenser Water Piping	
fair		Piping Issues
fair	Hot Water Piping	
fair		Piping Issues
fair	Piping Insulation	
fair	Ductwork Condition	
fair	Boiler Condition	

# **Baton Rouge Magnet High School** Refigerant Type: R-22 Energy STAR Rating: N/A ASHRAE Life Expectance Beyond SEER/EER Rating Manufacturer **General Comments** System Desciption/Summary Status and Function of Controls

## **Baton Rouge Magnet High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name Baton Rouge Manget HS Building Letter/Number B,C,D,E

Yes/No	System Type	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
		Hot Water
		Electric
	DX Package, Split System	
	Heat Type:	
		Hot Water
		Electric
	RTU Unit	
	Heat Type:	
		Hot Water
		Electric
YES	VRF Multizone Package U	nit
	Heat Type:	
		Hot Water
		Electric
	Chilled Water Piping:	
		2-pipe
		4-pipe

Good, Fair, Poor System Condition:

0000,1011,1001	System comandism	
fair	General System Condition	n Campus Wide
fair		Age of Unit:
fair	Chilled Water Piping	
fair		Piping Issues
fair	Condenser Water Piping	
fair		Piping Issues
fair	Hot Water Piping	
fair		Piping Issues
fair	Piping Insulation	
fair	Ductwork Condition	
fair	Boiler Condition	

# **Baton Rouge Magnet High School** Refigerant Type: 410A Energy STAR Rating: N/A ASHRAE Life Expectance Beyond SEER/EER Rating Manufacturer LG **General Comments** System Desciption/Summary Status and Function of Controls

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: BERNARD TERRACE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	
	DX Package, Split System 4- Dx	4 -DX
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit N/A	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe YES	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit: N/A	N/A
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A

## **Bernard Terrace Elementary School**

Piping Issues	N/A
Hot Water Piping	N/A
Piping Issues	N/A
Piping Insulation	N/A
Ductwork Condition	FAIR
Boiler Condition	FAIR

Refrigerant Type:	410 A // R22
Energy STAR Rating:	N/A
ASHRAE Life Expectance:	N/A
SEER/EER:	N/A
Manufacturer:	

General Comments:

#### UNITS AGED BUT IN FAIR CONDTION

System Description/Summary:

#### FAN COIL UNITS AND 4 DX SYSTEMS

Status and Function of Controls:

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: BERNARD TERRACE

Yes/No	System Type:	
	Air-Cooled Chillersno	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	DX Package, Split SystemN/A	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	2 PIPE
Good, Fair, Poor	System Condition:	
	General System Condition Campus WideFair	FAIR
	Age of Unit:	N/A
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

## **Bernard Terrace Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	N/A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
System Description/Summary:		
	FAN COIL UNITS	
	1111 001 01112	
Status and Function of Controls:		

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: BERNARD TERRACE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	GOOD
	Age of Unit:	2013
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	 N/A

## **Bernard Terrace Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	GOOD
	Boiler Condition	N/A
		•
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
Н	VAC ADDED IN 2013 TO KITCHEN AND DINING AREA	
System Description/Summary:		
System Description/Summary.	TWO DX SPLIT SYSTEMS	
	TWO DATALEST OF OFFICE	
Status and Function of Controls:		

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: BERNARD TERRACE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	NO
	Heat Type:	110
	Hot Water	
	Electric	
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	1
	General System Condition Campus Wide	FAIR
	Age of Unit:	2013
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

## **Bernard Terrace Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	UNITS ADDED DURING 2013 REMODEL	
System Description/Summary:		
	ONE DX SPLIT SYSTEM AND ONE DUCTLESS SPLIT	
Status and Function of Controls:		

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: BERNARD TERRACE

Building Letter/Number: E,F, G - HVAC IS ALL WINDOW UNITS

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe
Good, Fair, Poor	System Condition:
	General System Condition Campus Wide
	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping

## **Bernard Terrace Elementary School**

	Piping Issues	
	Hot Water Piping	
	Piping Issues	
	Piping Insulation	
	Ductwork Condition	
	Boiler Condition	
Refrigerant Type:		
Energy STAR Rating	:	
ASHRAE Life Expectance		
SEER/EER		
Manufacturer:		
General Comments:		
ystem Description/Summary:		
atus and Function of Controls:		

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

н

School Name: BERNARD TERRACE

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2003
	Chilled Water Piping	FAIR
	Piping Issues	N/A
	Condenser Water Piping	N/A

## **Bernard Terrace Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N.A
	Boiler Condition	FAIR
Refrigerant Type: Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER AND BOILER MECH BUILDING	
System Description/Summary:		
TRANE AIF	R COOLED CHILLER WITH REMOTE CONDENSER ON ROOFTOP	
	THERMOPAK BOILER	
	2 PIPE SYSTEM	
Status and Function of Controls:		

## **Bernard Terrace Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: BERNARD TERRACE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

## **Bernard Terrace Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:	avun nuw nnua	
	QUAD BUILDING	
System Description/Summary:		
ROOFTOP PAG	CKAGE UNIT VAV SYSTEM WITH ELECTRIC HEAT IN VAV BOXES	
Status and Function of Controls:		

## **Capitol Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name Capital Middle Building Letter/Number A,B,C

Yes/No	System Type	
	Air-Cooled Chillers	
YES	Water Cooled Chillers	
	Heat Type:	
YES		Hot Water
		Electric
YES	DX Package, Split System	
	Heat Type:	
		Hot Water
YES		Electric
	RTU Unit	
	Heat Type:	
		Hot Water
		Electric
	VRF Multizone Package U	nit
	Heat Type:	
		Hot Water
		Electric
	Chilled Water Piping:	
		2-pipe
YES		4-pipe

Good, Fair, Poor System Condition:

fair	General System Condition	n Campus Wide
fair		Age of Unit:
fair	Chilled Water Piping	
fair		Piping Issues
fair	Condenser Water Piping	
fair		Piping Issues
fair	Hot Water Piping	
fair		Piping Issues
fair	Piping Insulation	
fair	Ductwork Condition	
fair	Boiler Condition	

dle School	
Definement Turner	
Refigerant Type: 134A	
Energy STAR Rating: N/A	
ASHRAE Life Expectance Beyond	
SEER/EER Rating	
Manufacturer	
General Comments	
System Desciption/Summary	
fair	
Status and Function of Controls	
fair	

**EBR Readiness Elementary at Old Greenville** 

## McKinley Middle School

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	GOOD
	Age of Unit:	
	Chilled Water Piping	GOOD
	Piping Issues	GOOD
	Condenser Water Piping	GOOD

## **McKinley Middle School**

	Piping Issues	GOOD
	Hot Water Piping	GOOD
	Piping Issues	GOOD
	Piping Insulation	GOOD
	Ductwork Condition	GOOD
	Boiler Condition	GOOD
Refrigerant Type:	R-134A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:		
V	WATER COOLED YORK SCREW CHILLERS NATURAL GAS BOILER WITH POWER BURNER RIABLE SPEED CHILL WATER AHUS FOR VAV SYSTEM VAV BOXES HAVE HOT WATER COILS FOR HEATING LOOMS HAVE SELF CONTAINED IN CEILING PACKAGE UNITS	

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	INO
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	'
	General System Condition Campus Wide	FAIR
	Age of Unit:	2002

### **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER:		
Manufacturer:	MARVAIR	
General Comments:		
System Description/Summary:		
· · · · · ·	DOOR WALLMOUNT DX PACKAGE UNITS WITH ELECTRIC HEAT	
	ONE UNIT PER CLASSROOM	
Ctatas and Francisco of Countries		

Status and Function of Controls:

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	FAIR
	Age of Unit:	2002

## **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance:		
SEER/EER: Manufacturer:	MARVAIR	
General Comments:		
ystem Description/Summary:		
MARVAIR INI	DOOR WALLMOUNT DX PACKAGE UNITS WITH ELECTRIC HEAT ONE UNIT PER CLASSROOM	

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2012

## **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:	OFFICE / ADMIN AREA	
General Comments:  System Description/Summary:		
General Comments:  System Description/Summary:	OFFICE / ADMIN AREA	
General Comments:  System Description/Summary:	OFFICE / ADMIN AREA	
General Comments:  System Description/Summary:	OFFICE / ADMIN AREA	
General Comments:  System Description/Summary:	OFFICE / ADMIN AREA	
General Comments:  System Description/Summary:	OFFICE / ADMIN AREA	

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2011

## **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	
	Bollet Collution	N/A
D.C. AT	R410A	
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CAFETERIA	
vstem Description/Summary		
vstem Description/Summary		
	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	
ystem Description/Summary: ROOFTO	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	
	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	
	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	
	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	
	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	
	P SINGLE ZONE DX PACKAGE UNITS WITH ELECTRIC HEAT	

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Ε

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2011

## **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER:		
Manufacturer:	TRANE	
General Comments:	AUDITORIUM	
System Description/Summary:		
	OP SINGLE ZONE DX PACKAGE UNIT WITH ELECTRIC HEAT	
	OP SINGLE ZONE DX PACKAGE UNIT WITH ELECTRIC HEAT	

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

F

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	FAIR

## **Melrose Elementary School**

T	т
Chilled Water Piping	N/A
Piping Issues	N/A
Condenser Water Piping	N/A
Piping Issues	N/A
Hot Water Piping	N/A
Piping Issues	N/A
Piping Insulation	N/A
Ductwork Condition	FAIR
Boiler Condition	N/A
	_ _ _
	_
IRANE	_
OLD QUAD BUILDING	
ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM	
	Piping Issues Condenser Water Piping Piping Issues Hot Water Piping Piping Issues Piping Insulation Ductwork Condition Boiler Condition  R22

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

G

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	1
	General System Condition Campus Wide	FAIR
	Age of Unit:	2011

## **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Energy STAR Rating: ASHRAE Life Expectance:		
SEER/EER:		
SEER/EER: Manufacturer:	TRANE	
	TRANE	
Manufacturer:		
Manufacturer:	TRANE	
Manufacturer:	TRANE	
Manufacturer:	TRANE	
Manufacturer: General Comments:	TRANE	
Manufacturer: General Comments:	TRANE	
Manufacturer: General Comments:	TRANE  LIBRARY  ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM	
Manufacturer:	TRANE  LIBRARY  ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM	

### **Melrose Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Н

School Name: MELROSE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2011

## **Melrose Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
System Description/Summary:		
	ROOFTOP DX PACKAGE UNITS FOR VAV SYSTEM VAV BOXES HAVE ELECTRIC HEAT	

Status and Function of Controls:

### **The Dufrocq School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: DUFROCQ ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	1.25
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	GOOD
	Age of Unit:	2008
	Chilled Water Piping	GOOD
	Piping Issues	GOOD
	Condenser Water Piping	FAIR

## **The Dufrocq School**

	Piping Issues	FAIR
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	GOOD
	Ductwork Condition	GOOD
	Boiler Condition	GOOD
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	MITSUBISHI	
General Comments:		
	REMODELED IN 2008	
System Description/Summary:		
ONE	4-PIPE OOLED SCREW CHILLERS WITH VARIABLE PRIMARY PUMP SCHEME ONE NATURAL GAS BOILER WITH POWER BURNER CLOSET 4-PIPE FAN COIL UNIT FOR EACH CLASSROOM VER AND ELECTRICAL ROOMS HAVE DUCTLESS SPLITS	
Status and Function of Controls:		

### **The Dufrocq School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: DUFROCQ ELEMENTARY

Building Letter/Number: B - CHILLER BOILER MECH BLDG

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	NO NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	GOOD
	Age of Unit:	2008
	Chilled Water Piping	GOOD
	Piping Issues	GOOD
	Condenser Water Piping	FAIR

## **The Dufrocq School**

	Piping Issues	FAIR
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	GOOD
	Ductwork Condition	GOOD
	Boiler Condition	GOOD
Refrigerant Type:	R-134A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	REMODELED IN 2008	
System Description/Summary:		
	OLED SCREW CHILLERS WITH VARIABLE PRIMARY PUMP SCHEME	
	ONE NATURAL GAS BOILER WITH POWER BURNER	
Status and Function of Controls:		

### **The Dufrocq School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: DUFROCQ ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	GOOD
	Age of Unit:	2008
	Chilled Water Piping	GOOD
	Piping Issues	GOOD
	Condenser Water Piping	FAIR

## **The Dufrocq School**

	Piping Issues	FAIR
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	GOOD
	Ductwork Condition	GOOD
	Boiler Condition	GOOD
		•
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
System Description/Summary:		
	4-PIPE DOLED SCREW CHILLERS WITH VARIABLE PRIMARY PUMP SCHEME ONE NATURAL GAS BOILER WITH POWER BURNER VER AND ELECTRICAL ROOMS HAVE DUCTLESS SPLITS CHILL WATER AHUS FOR VAV SYSTEM VAV BOXES HAVE HOT WATER COILS OFFICE - LOUNGE AHU HAS DX BACKUP	
Status and Function of Controls:		

## The Dufrocq School

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: DUFROCQ ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	GOOD
	Age of Unit:	2008
	Chilled Water Piping	GOOD
	Piping Issues	GOOD
	Condenser Water Piping	FAIR

## **The Dufrocq School**

	Piping Issues	FAIR
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	GOOD
	Ductwork Condition	GOOD
	Boiler Condition	GOOD
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:	REMODELED IN 2008	
System Description/Summary:		
	4-PIPE DOLED SCREW CHILLERS WITH VARIABLE PRIMARY PUMP SCHEME ONE NATURAL GAS BOILER WITH POWER BURNER CHILL WATER AHUS FOR VAV SYSTEM VAV BOXES HAVE HOT WATER COILS	
Status and Function of Controls:		

## **Westdale Heights Academic Magnet School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE HEIGHTS

Yes/No	System Type:		
	Air-Cooled Chillers	YES	
	Water Cooled Chillers	NO	
	Heat Type:		
	Hot Water	YES	
	Electric	NO	
	DX Package, Split System	YES	
	Heat Type:	GAS	
	Hot Water	NO	
	Electric	NO	
	RTU Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	VRF Multizone Package Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	Chilled Water Piping:		
	2-pipe	YES	
	4-pipe	NO	
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	FAIR	
	Age of Unit:	2004	
	Chilled Water Piping	FAIR	
	Piping Issues	FAIR	
	Condenser Water Piping	N/A	

### **Westdale Heights Academic Magnet School**

	Dining leaves	NI/A
	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
	D 00	
Refrigerant Type:	<del></del>	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	MCQUAY	
General Comments:		
	2 PIPE SYSTEM	
System Description/Summary:		
Bystem Bescription Summary.	2 PIPE SYSTEM	
AIRCOOLED SCR	OLL CHILLER WITH REMOTE CONDENSER ON THE ROOF OF A BLDG	
	NATURAL DRAFT BOILER IN A BLDG	
SINGLE 2	ZONE DX SPLIT SYSTEM WITH GAS HEAT FOR OFFICE AREA	
Status and Function of Controls:		

## **Westdale Heights Academic Magnet School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE HEIGHTS

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2006
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Westdale Heights Academic Magnet School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:		
ystem Description/Summary:		
ystem Description/Summary:	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary:	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary:	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary:	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary:	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
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ystem Description/Summary:	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary: SIN	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary: SIN	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary: SIN	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	
ystem Description/Summary: SIN	GLE ZONE DX PACKAGE UNITS FOR THE AUDITORIUM	

### **Westdale Heights Academic Magnet School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: WESTDALE HEIGHTS

Yes/No	System Type:		
	Air-Cooled Chillers	NO	
	Water Cooled Chillers	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	DX Package, Split System	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	RTU Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	VRF Multizone Package Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	Chilled Water Piping:		
	2-pipe	YES	;
	4-pipe	NO	
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	FAIR	۲ -
	Age of Unit:		
	Chilled Water Piping	FAIR	۲
	Piping Issues	FAIR	۲
	Condenser Water Piping	N/A	

### **Westdale Heights Academic Magnet School**

	District Lawrence	N/A
	Piping Issues	
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:		-
Energy STAR Rating:		-
ASHRAE Life Expectance:		<u>-</u>
SEER/EER:		-
Manufacturer:		-
General Comments:		
	2 PIPE SYSTEM	
System Description/Summary:		
AIRCOOLED SCR	2 PIPE FAN COIL UNITS IN EACH CLASSROOM OLL CHILLER WITH REMOTE CONDENSER ON THE ROOF O NATURAL DRAFT BOILER IN A BLDG	DF A BLDG
Status and Function of Controls:		

## **Westdale Heights Academic Magnet School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: WESTDALE HEIGHTS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A

### **Westdale Heights Academic Magnet School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:	A DVDD GVGDDV	
	2 PIPE SYSTEM	
System Description/Summary:		
	2 PIPE FAN COIL UNITS IN EACH CLASSROOM	
AIRCOOLED SCR	OLL CHILLER WITH REMOTE CONDENSER ON THE ROOF OF A BLDG NATURAL DRAFT BOILER IN A BLDG	
	WITCHAE DIGIT I BOILER IVIT BEBO	
Status and Function of Controls:		

## **Westdale Heights Academic Magnet School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE HEIGHTS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Liettiit	INO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2003
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

## **Westdale Heights Academic Magnet School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
System Description/Summary:		
	P TRANE MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
l		
Status and Function of Controls:		
Status and Function of Controls:		

## **Westdale Heights Academic Magnet School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE HEIGHTS

Yes/No	System Type:		
	Air-Cooled Chillers	ı	NO
	Water Cooled Chillers	ı	NO
	Heat Type:		
	Hot Water	ı	NO
	Electric	I	NO
	DX Package, Split System	,	YES
	Heat Type:		
	Hot Water	1	NO
	Electric	,	YES
	RTU Unit		NO
	Heat Type:		
	Hot Water	1	NO
	Electric	I	NO
	VRF Multizone Package Unit		NO
	Heat Type:		
	Hot Water	1	NO
	Electric		NO
	Chilled Water Piping:		
	2-pipe	,	YES
	4-pipe	1	NO
Good, Fair, Poor	System Condition:	'	
	General System Condition Campus Wide	I	FAIR
	Age of Unit:		
	Chilled Water Piping	ļ	N/A
	Piping Issues	ļ	N/A
	Condenser Water Piping		N/A

### **Westdale Heights Academic Magnet School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:		
	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
System Description/Summary: TWO SINGLE	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
TWO SINGLE	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
TWO SINGLE	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
TWO SINGLE	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FFOR LIBRARY
TWO SINGLE	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY
TWO SINGLE	ZONE DX SPLIT SYSTEMS WITH ELECTRIC HEAT	FOR LIBRARY

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	N
	Water Cooled Chillers	YE
	Heat Type:	
	Hot Water	YE
	Electric	No
	DX Package, Split System	YE
	Heat Type:	
	Hot Water	NO
	Electric	N
	RTU Unit	YE
	Heat Type:	
	Hot Water	N
	Electric	N
	VRF Multizone Package Unit	N
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YE
	2-pipe	NO
	4-pipe	YE
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FA
	Age of Unit:	19
	Chilled Water Piping	FA
	Piping Issues	FA
	Condenser Water Piping	FA
	Piping Issues	FA

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
		•
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:	WATER COOLER COREW OVER A FR	
	WATER COOLED SCREW CHILLER	
	NATURAL DRAFT BOILER	
	NATURAL DRAFT BOILER SPLIT SYSTEMS FOR GYM	
GROUN	SPLIT SYSTEMS FOR GYM D LEVEL PACKAGE UNITS FOR KITCHEN AND DINING AREA	
	SPLIT SYSTEMS FOR GYM D LEVEL PACKAGE UNITS FOR KITCHEN AND DINING AREA FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
	SPLIT SYSTEMS FOR GYM D LEVEL PACKAGE UNITS FOR KITCHEN AND DINING AREA	
	SPLIT SYSTEMS FOR GYM D LEVEL PACKAGE UNITS FOR KITCHEN AND DINING AREA FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
	SPLIT SYSTEMS FOR GYM D LEVEL PACKAGE UNITS FOR KITCHEN AND DINING AREA FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
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	SPLIT SYSTEMS FOR GYM D LEVEL PACKAGE UNITS FOR KITCHEN AND DINING AREA FAN COIL UNITS FOR CLASSROOMS FOR COOLING	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	1992
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	N/A
ı	Piping Issues	N/A
I	Piping Insulation	N/A
	Ductwork Condition	FAIR
I	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	GOODMAN	
General Comments:		
	ADMIN BUILDING	
System Description/Summary:		
ROOFTO	P PACKAGE UNIT WITH ELECTRIC HEAT FOR OFFICE AREA	
Status and Function of Controls:		
Status and I and to the Control of		

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
System Besonption Summary.	FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
NA'	TURAL CONVECTION WALL HEATERS IN CLASSROOMS	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:		_
Energy STAR Rating:		_
ASHRAE Life Expectance:		_
SEER/EER:		_
Manufacturer:		_
		-
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
	FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
NA	TURAL CONVECTION WALL HEATERS IN CLASSROOMS	
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### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

Ε

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
	FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
NA'	TURAL CONVECTION WALL HEATERS IN CLASSROOMS	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

	Hot Water Piping	F	AIR
	Piping Issues	F	AIR
	Piping Insulation	F	AIR
	Ductwork Condition	N	I/A
	Boiler Condition	F	AIR
Refrigerant Type:			
Energy STAR Rating:		-	
ASHRAE Life Expectance:		-	
SEER/EER:		-	
Manufacturer:		-	
		-	
General Comments:			
	CHILLER IN BUILDING K		
	BOILER IN BUILDING A		
System Description/Summary:			
, i	FAN COIL UNITS FOR CLASSROOMS FOR COOLING		
NA	TURAL CONVECTION WALL HEATERS IN CLASSROOMS		

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
	FAN COIL UNITS FOR CLASSROOMS FOR COOLING	
NA	TURAL CONVECTION WALL HEATERS IN CLASSROOMS	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2003
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
System Besonption Summary.	DX SPLIT SYSTEMS WITH ELECTRIC HEAT	
	ONE UNIT PER CLASSROOM	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
-	General System Condition Campus Wide	FAIR
	Age of Unit:	2009
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
7 1	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM	
	VAV BOXES HAVE ELECTRIC HEAT	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	120
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2013
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping		N/A
	Piping Issues		N/A
	Piping Insulation		N/A
	Ductwork Condition		FAIR
	Boiler Condition		N/A
Refrigerant Type:	R-410A	_	
Energy STAR Rating:		_	
ASHRAE Life Expectance:		_	
SEER/EER:		_	
Manufacturer:	MCQUAY	<u>-</u> _	
		_	
General Comments:			
	CHILLER IN BUILDING K		
	BOILER IN BUILDING A		
System Description/Summary:			
	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM		
	VAV BOXES HAVE ELECTRIC HEAT		

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name:

WESTDALE MIDDLE

**Building Letter/Number:** 

K --- CHILLER MECHANICAL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	<u>'</u>
	General System Condition Campus Wide	FAI
	Age of Unit:	199
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER IN BUILDING K	
	BOILER IN BUILDING A	
System Description/Summary:		
	WATER COOLED TRANE SCREW CHILLER	

### **Westdale Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WESTDALE MIDDLE

Building Letter/Number: L --- NO HVAC

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	_
	2-pipe	
	4-pipe	_
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	
	Chilled Water Piping	
	Piping Issues	
	Condenser Water Piping	
	Piping Issues	

# **Westdale Middle School** Hot Water Piping Piping Issues Piping Insulation **Ductwork Condition Boiler Condition** Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER: Manufacturer: General Comments: System Description/Summary:

### **Shenandoah Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: SHENANDOAH ELEM Building Letter/Number: Bldg. A

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
YES	Natural Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
19	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
FAIR	Ductwork Condition
	Boiler Condition

### Shenandoah Elementary School

Refrigerant Type: R22	
Energy STAR Rating:	
ASHRAE Life Expectance: 15 YRS.	
SEER/EER Rating: 9	
Manufacturer: SEASON-4	
General Comments:	
UNIT'S IN OPERABLE CONDITION. DRAIN LINES ARE ORIGINAL, TH CRACKED, BROKEN OVER TIME AND DO NOT RUN TO ROOF DRAIN	
System Description/Summary	
(6) SEASON-4 DX MULTI-ZONE ROOFTOP DX PACKAGE UNITS, (1) I SPLIT	LG MINI
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Shenandoah Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** SHENANDOAH **Building Letter/Number:** BLDG. C

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
YES	Natural Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
GOOD	General System Condition Campus Wide
10	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
FAIR	Ductwork Condition
	Boiler Condition

### Shenandoah Elementary School

Refrigerant Type: R410	-
Energy STAR Rating:	-
ASHRAE Life Expectance: 15 YRS.	-
SEER/EER Rating: 10	-
Manufacturer: JCI	-
General Comments:	
UNIT'S IN OPERABLE CONDITION.	
System Description/Summary	
(1) JCI ROOFTOP DX PACKAGE UNITS WITH REHEAT VAV'S. (3) LG	MINI SPLITS
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Shenandoah Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** SHENANDOAH **Building Letter/Number:** BLDG. D

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
YES	Natural Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
GOOD	General System Condition Campus Wide
5	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
GOOD	Ductwork Condition
	Boiler Condition

### Shenandoah Elementary School

Refrigerant Type: R410	-
Energy STAR Rating:	-
ASHRAE Life Expectance: 15 YRS.	-
SEER/EER Rating: 10	_
Manufacturer: JCI	_
General Comments:	
UNIT'S IN OPERABLE CONDITION.	
System Description/Summary	
(1) JCI ROOFTOP DX PACKAGE UNITS WITH REHEAT VAV'S. (1) LG	MINI SPLITS
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Woodlawn Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WOODLAWN ELEM Building Letter/Number: BLDG. A, B

System Type:
Air-Cooled Chillers
Water Cooled Chillers
Heat Type:
Hot Water
Electric
DX Package, Split System
Heat Type:
Hot Water
Electric
Natural Gas
RTU Unit
Heat Type:
Hot Water
Electric
VRF Multizone Package Unit
Heat Type:
Hot Water
Electric
Mini Split / Computer Room Unit
Chilled Water Piping:
2-pipe
4-pipe

Good, Fair, Poor	System Condition:
GOOD	General System Condition Campus Wide
13	Age of Unit:
	Chilled Water Piping
GOOD	Piping Issues
	Condenser Water Piping
GOOD	Piping Issues
	Hot Water Piping
GOOD	Piping Issues
GOOD	Piping Insulation
GOOD	Ductwork Condition
	Boiler Condition

### **Woodlawn Elementary School**

Refrigerant Type: R410	
Energy STAR Rating:	
ASHRAE Life Expectance: 20 YRS.	
SEER/EER Rating: 10	
Manufacturer: TRANE CHILLERS / AHU'S, LIEBERT CRU, MITSUBISHI	MS_
General Comments:	
ALL UNIT'S IN OPERABLE CONDITION.	
System Description/Summary	
(2) WATER COOLED CHILLERS, (1) COMPUTER ROOM UNIT, (7) MIN (1) BOILER, (2) COOLING TOWERS	II SPLITS,
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### Woodlawn High School

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WOODLAWN HIGH

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2001
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

### **Woodlawn High School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
System Description/Summary:	CHILLERS AND BOILERS IN C BUILDING  4- PIPE FAN COIL UNITS FOR EACH CLASSROOM	
4-PIPE CHILL WATER	R AHUS FOR LARGE AREAS (GYM, AUDITORIUM, DINING, KITCHEN, EX DX BACKUP FOR OFFICE AREA AND LIBRARY	ΧΙ.)
Status and Function of Controls:		

### **Woodlawn High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WOODLAWN HIGH

Building Letter/Number:

В

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	2001
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

### **Woodlawn High School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
System Description/Summary:		
4- PIPE FAN	COIL UNITS FOR EACH CLASSROOM ABOVE DROP-IN CEILI	NG
	4-PIPE AHU FOR COMMON AREAS	
Status and Function of Controls:		

### **Woodlawn High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WOODLAWN HIGH

Building Letter/Number: C - CHILLER MECH

Yes/No	System Type:		
	Air-Cooled Chillers	NO	0
	Water Cooled Chillers	YE	ES
	Heat Type:		
	Hot Water	YE	ES
	Electric	NO	0
	DX Package, Split System	NO	0
	Heat Type:		
	Hot Water	NO	0
	Electric	NO	0
	RTU Unit	NO	0
	Heat Type:		
	Hot Water	NO	0
	Electric	NO	0
	VRF Multizone Package Unit	NO	0
	Heat Type:		
	Hot Water	NO	0
	Electric	NO	0
	Chilled Water Piping:	YE	ES
	2-pipe	NO	0
	4-pipe	YE	ES
Good, Fair, Poor	System Condition:	'	
	General System Condition Campus Wide	FA	AIR
	Age of Unit:	20	001
	Chilled Water Piping	FA	AIR
	Piping Issues	FA	AIR
	Condenser Water Piping	FA	AIR
	Piping Issues	FA	AIR

### **Woodlawn High School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:	R-134A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER AND BOILER MECH	
System Description/Summary:		
	DLED SCREW CHILLERS WITH VARIABLE SECONDARY PUMPING	
NATURAL DRAFT	BOILERS WITH POWER BURNERS AND VARIABLE PRIMARY PUMPING	ì
Status and Function of Controls:		
Status and Function of Controls.		

### **Woodlawn High School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: WOODLAWN HIGH

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2001
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	 N/A

### Woodlawn High School

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER	
General Comments:		
	STADIUM LOCKEROOMS	
G . t . D . : t' .  G .		
System Description/Summary:	3 TON THRU THE WALL PTAC UNITS	
	5 TON THRO THE WALLTTAC UNITS	
Status and Function of Controls:		

### **Woodlawn Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: WOODLAWN ELEM Building Letter/Number: BLDG. A, B

System Type:	
Air-Cooled Chillers	
Water Cooled Chillers	
Heat Type:	
Hot Water	
Electric	
DX Package, <mark>Split System</mark>	
Heat Type:	
Hot Water	
Electric	
Natural Gas	
RTU Unit	
Heat Type:	
Heat Type: Hot Water	
Electric	
VRF Multizone Package Unit	
Heat Type:	
Hot Water	
Electric	
Mini Split / Computer Room Unit	
Chilled Water Piping:	
2-pipe	
4-pipe	

Good, Fair, Poor	System Condition:
GOOD	General System Condition Campus Wide
13	Age of Unit:
	Chilled Water Piping
GOOD	Piping Issues
	Condenser Water Piping
GOOD	Piping Issues
	Hot Water Piping
GOOD	Piping Issues
GOOD	Piping Insulation
GOOD	Ductwork Condition
	Boiler Condition

### **Woodlawn Middle School**

Refrigerant Type: R410	
Energy STAR Rating:	
ASHRAE Life Expectance: 20 YRS.	
SEER/EER Rating: 10	
Manufacturer: TRANE CHILLERS / AHU'S, LIEBERT CRU, MITSUBISH	<u>I MS</u>
General Comments:	
ALL UNIT'S IN OPERABLE CONDITION.	
System Description/Summary	
(2) WATER COOLED CHILLERS, (1) COMPUTER ROOM UNIT, (7) MI (1) BOILER, (2) COOLING TOWERS	NI SPLITS,
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: BUCHANAN

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	NO
	Piping Issues	NO
	Condenser Water Piping	N/A

### **Buchanan Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	NO
	Piping Insulation	
	Ductwork Condition	N/A
	Boiler Condition	FAIR
		·
Refrigerant Type:	R-410	
Energy STAR Rating:		<del></del>
ASHRAE Life Expectance:		<del></del>
SEER/EER:		
Manufacturer:	RHEEM	_
		<del></del>
General Comments:		
	MAIN BUILDING	
System Description/Summary:		
F	AN COIL UNITS AND ONE DX SPLIT FOR THE OFFICE	
Status and Function of Controls:		
Same and I another of Controls.		

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: BUCHANAN

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	NO
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	N/A
	Chilled Water Piping	N/A
	Piping Issues	 N/A
	Condenser Water Piping	N/A

### **Buchanan Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	KITCHEN/ CAFÉ	
System Description/Summary:		
	TWO DX SPLIT SYSTEMS FOR DINING AREA	
Status and Function of Controls:		

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: BUCHANAN

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	
	Electric	
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	RTU Unit	YES
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	NO
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Buchanan Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:		
	AUDITORIUM	
System Description/Summary:		
	ID PACKAGE UNITS COOLING ONLY. SUSPENDED GAS HEATERS	
G( ) 1F (' CG ) 1		
Status and Function of Controls:		
l		

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: BUCHANAN

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	NO
	2-pipe	N/A
	4-pipe	N/A
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	 FAIR
	Age of Unit:	N/A
	Chilled Water Piping	N/A
	Piping Issues	 N/A
	Condenser Water Piping	N/A

### **Buchanan Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	ARMSTRONG	
General Comments:		
	OLD QUAD	
System Description/Summary:		
ROOFTOP PAC	CKAGE UNIT VAV SYSTEM WITH ELECTRIC HEAT ON VAV BOXES	
l		
Status and Function of Controls:		

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Ε

School Name: BUCHANAN

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	NO
	2-pipe	N/A
	4-pipe	N/A
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	N/A
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	 N/A

### **Buchanan Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	JOHNSTONE SUPPLY	
General Comments:		
	NEW QUAD	
System Description/Summary:		
	CKAGE UNIT VAV SYSTEM WITH ELECTRIC HEAT ON VAV BOXES	
Status and Function of Controls:		
Status and I direction of Controls.		

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

G

School Name: BUCHANAN

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	NO
	Hot Water	N/A
	Electric	N/A
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	RTU Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	N/A
	Electric	N/A
	Chilled Water Piping:	YES
	2-pipe	120
	4-pipe	YES
Good, Fair, Poor	System Condition:	
<u> </u>	General System Condition Campus Wide	FAIR
	Age of Unit:	2003
	Chilled Water Piping	FAIR
	Piping Issues	NO
	Condenser Water Piping	N/A

### **Buchanan Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER MECHANICAL ROOM	
System Description/Summary:		
	DLED CHILLER WITH A REMOTE CONDENSER ON THE ROOF	
Status and Function of Controls:		
States and I director of Controls.		
l		

### **Buchanan Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: BUCHANAN

Building Letter/Number: H,I,F,J,K WINDOW UNITS OR NO HVAC

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	
	Chilled Water Piping	
	Piping Issues	
	Condenser Water Piping	

### **Buchanan Elementary School**

	Piping Issues	
	Hot Water Piping	
	Piping Issues	
	Piping Insulation	
	Ductwork Condition	
	Boiler Condition	
Refrigerant Type		
Energy STAR Rating		
ASHRAE Life Expectance	-	
SEER/EER		
Manufacturer:		
General Comments:		
System Description/Summary:		
0		
Status and Function of Controls:		

### **Glasgow Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: GLASGOW MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
		GAS
	Heat Type:	NO
	Hot Water  Electric	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Glasgow Middle School**

	Piping Issues	N/A	
	Hot Water Piping	N/A	
	Piping Issues	N/A	
	Piping Insulation	N/A	
	Ductwork Condition	FAIF	R
	Boiler Condition	N/A	
		·	
Refrigerant Type:			
Energy STAR Rating:			
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:	SEASONS 4		
General Comments:			
General Comments:			
ystem Description/Summary:			
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	S HEAT	
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	S HEAT	
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	S НЕАТ	
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	S HEAT	
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	5 НЕАТ	
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	5 НЕАТ	
ystem Description/Summary: ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	5 НЕАТ	
ystem Description/Summary:	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	S HEAT	
stem Description/Summary: ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	S HEAT	
stem Description/Summary: ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS	SHEAT	

### **Glasgow Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: GLASGOW MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
		GAS
	Heat Type:	NO
	Hot Water  Electric	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Glasgow Middle School**

	I	
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER	
General Comments:		
	A CARDIED MINITIZANE DV BACKACE IDNITE WITH CACHE	AT
ystem Description/Summary: ROOFTOI	P CARRIER MULTIZONE DX PACKAGE UNITS WITH GAS HE.	AT
	P CARRIER MULTIZONE DX PACKAGE UNITS WITH GAS HE.	AT

### **Glasgow Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: GLASGOW MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Glasgow Middle School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		_
ASHRAE Life Expectance:		_
SEER/EER:		_
Manufacturer:	TRANE, YORK, 4 SEASONS	
		<del></del>
General Comments:		
ystem Description/Summary:		
ROOFTOP SINGLE ZO	NE DX PACKAGE UNITS WITH GAS HEAT FOR GYM, DINI NS MULTIZONE DX PACKAGE UNIT WITH GAS HEAT FO	
ROOFTOP SINGLE ZOY ROOFTOP 4 SEASO		
ROOFTOP SINGLE ZO		
ROOFTOP SINGLE ZOY ROOFTOP 4 SEASO		
ROOFTOP SINGLE ZOY ROOFTOP 4 SEASO		
ROOFTOP SINGLE ZOY ROOFTOP 4 SEASO		

### **Glasgow Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: GLASGOW MIDDLE

Yes/No	System Type:		
	Air-Cooled Chillers	NO	
	Water Cooled Chillers	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	DX Package, Split System	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	RTU Unit	YES	
	Heat Type:		
	Hot Water	NO	
	Electric	YES	
	VRF Multizone Package Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric		
	Chilled Water Piping:	NO	
	2-pipe	NO	
	4-pipe	NO	
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	FAIR	
	Age of Unit:	2011	
	Chilled Water Piping	N/A	
	Piping Issues	N/A	
	Condenser Water Piping	N/A	

### **Glasgow Middle School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	JOHNSON CONTROLS	
General Comments:		
System Description/Summary:		
	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM VAV BOXES HAVE ELECTRIC HEAT	
Status and Function of Controls:		

### **Glasgow Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

Ε

School Name: GLASGOW MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Glasgow Middle School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:		
General Comments:		
stem Description/Summary:		
stem Description/Summary:	GLE ZONE DX PACKAGE UNIT WITH GAS HEAT FOR OFFICE AR	EA
stem Description/Summary:	GLE ZONE DX PACKAGE UNIT WITH GAS HEAT FOR OFFICE AR.	EA
rstem Description/Summary: ROOFTOP SING	GLE ZONE DX PACKAGE UNIT WITH GAS HEAT FOR OFFICE AR	EA
rstem Description/Summary: ROOFTOP SING	GLE ZONE DX PACKAGE UNIT WITH GAS HEAT FOR OFFICE AR	EA
rstem Description/Summary: ROOFTOP SING	GLE ZONE DX PACKAGE UNIT WITH GAS HEAT FOR OFFICE AR	EA

### **Glasgow Middle School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: GLASGOW MIDDLE

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2009
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	 N/A

### **Glasgow Middle School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-410A	_
Energy STAR Rating:		_
ASHRAE Life Expectance:		_
SEER/EER:		
Manufacturer:	TRANE	
		_
General Comments:		
	NURSES BUILDING	
System Description/Summary:		
S	SINGLE ZONE SPLIT SYSTEMS WITH ELECTRIC HEAT	
Status and Function of Controls:		

### **Highland Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: HIGHLAND ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	NO
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	'
	General System Condition Campus Wide	FAIR
	Age of Unit:	2002
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	NO

### **Highland Elementary School**

	D. C. L.	EAID
	Piping Issues	FAIR
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
<u> </u>	Boiler Condition	FAIR
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	BUILDING HVAC IS AGED BUT IN FAIR CONDITION	
System Description/Summary:		
_,	FOUR PIPE	
FAN C	OIL UNITS AND NATURAL CONVECTION WALL HEATERS	
	E UNIT IS A DX SPLIT SYSTEM WITH AHU ABOVE CEILING	
Status and Function of Controls:		

### **Highland Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: HIGHLAND ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	
	Chilled Water Piping	
	Piping Issues	N/A
	Condenser Water Piping	N/A

## **Highland Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	GOODMAN	
General Comments:		
System Description/Summary:		
	X SPLIT SYSTEMS FOR DINING AREA AND KITCHEN.	
D	HANGING GAS HEATERS IN DINING AREA.	
Status and Function of Controls:		
l		

## **Highland Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: HIGHLAND ELEMENTARY

Building Letter/Number: C ---- WINDOW UNITS

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	
	Chilled Water Piping	
	Piping Issues	
	Condenser Water Piping	

## **Highland Elementary School**

	Piping Issues	
	Hot Water Piping	
	Piping Issues	
	Piping Insulation	
	Ductwork Condition	
	Boiler Condition	
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
a		
System Description/Summary:		
Status and Function of Controls:		
Sames and I anotion of Controls.		

## **Highland Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: HIGHLAND ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A

## **Highland Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	GOOD
Refrigerant Type:	N/A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
System Description/Summary:		
	2 PIPE - ONLY BUILDING ON CAMPUS THAT'S 2 PIPE	
BOILER	LOCATED IN BUILDING WITH AUTO CHANGEOVER VALVE	
	FAN COIL UNITS ONLY	
Status and Function of Controls:		
Status and Function of Controls.		

## **Highland Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: HIGHLAND ELEMENTARY

Building Letter/Number: E - MECHANICAL BUILDING

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	YES
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	
	Age of Unit:	2002
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A

## **Highland Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
System Description/Summary:		
	LED CHILLER WITH A REMOTE CONDENSER ON THE ROOF.	
AIR COO	SYSTEM IS FOUR PIPE AND TWO PIPE.	
	BUILDING A IS FOUR PIPE AND D IS TWO PIPE.	
Status and Function of Controls:		
Status and 1 unction of Controls.		

## **Highland Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: HIGHLAND ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	 FAIR
	Age of Unit:	2003
	Chilled Water Piping	N/A
	Piping Issues	 N/A
	Condenser Water Piping	N/A

## **Highland Elementary School**

	Piping Issues	N/A	
	Hot Water Piping	N/A	
	Piping Issues	N/A	
	Piping Insulation	N/A	
	Ductwork Condition	FAIF	R
	Boiler Condition	N/A	ı
Refrigerant Type:	R-22		
Energy STAR Rating:			
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:	TRANE		
General Comments:			
System Description/Summary:			
	DX SPLIT SYSTEM FOR VAV BOXES.		
	VAV BOXES HAVE ELECTRIC HEAT.		
Status and Function of Controls:			
Status and Function of Controls:			

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2009
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	FAIR
	Piping Issues	FAIR

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:	R-134A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	A BUILDING HAS 2-PIPE AND 4-PIPE SYSTEMS	
G ( D ) ( ) (G		
System Description/Summary:	CHANGE THE WARTEN AND THE BENEFIT OF	nn i c
AIRCOOLED SCREW	CHILLER WITH VARIABLE PRIMARY PUMPING ON COOLING ONLY PII FOR AUDITORIUM AND GYM AREA	PING
	DX SPLIT SYSTEM WITH 2-PIPE HOT WATER COIL	
	CLASSROOMS ARE ON 2-PIPE SYSTEM	
	CENSING THE ON 2 THE STOTEM	
Status and Function of Controls:		
Status and I unction of Controls.		

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping		FAIR
	Piping Issues		FAIR
	Piping Insulation		FAIR
	Ductwork Condition		FAIR
	Boiler Condition		FAIR
Refrigerant Type:			
Energy STAR Rating:			
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:		<u></u>	
General Comments:			
System Description/Summary:			
	2-PIPE FAN COIL UNITS FOR EACH CLASSROOM		
Status and Function of Controls:			

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DTILLIA	NO
	RTU Unit	NO
	Heat Type:	110
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping		FAIR
	Piping Issues		FAIR
	Piping Insulation		FAIR
	Ductwork Condition		FAIR
	Boiler Condition		FAIR
Refrigerant Type:		_	
Energy STAR Rating:			
ASHRAE Life Expectance:		_	
SEER/EER:		_	
Manufacturer:		_	
General Comments:			
System Description/Summary:			
	2-PIPE FAN COIL UNITS FOR EACH CLASSROOM		
Status and Function of Controls:			

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

I		
+	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
System Description/Summary:	2 DIDE FAN CON LINITE FOR FACH CLASSDOOM	
	2-PIPE FAN COIL UNITS FOR EACH CLASSROOM STEMS WITH ELECTRIC HEAT FOR DINING AREA AND KITCHEN	
System Description/Summary:  DX SPLIT SY		
DX SPLIT SY		
DX SPLIT SY		
DX SPLIT SY		
DX SPLIT SY		

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

Ε

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DTILLIA	NO
	RTU Unit	NO
	Heat Type:	110
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	F	FAIR
	Piping Issues	F	AIR
	Piping Insulation	F	FAIR
	Ductwork Condition	F	FAIR
	Boiler Condition	F	FAIR
Refrigerant Type:			
Energy STAR Rating:			
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:			
General Comments:			
System Description/Summary:			
	2-PIPE FAN COIL UNITS FOR EACH CLASSROOM		
	BOILER LOCATED IN THIS BUILDING 2-PIPE		
Status and Function of Controls:			

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAI
	Age of Unit:	
	Chilled Water Piping	FAI
	Piping Issues	FAI
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
		•
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	BAND	
System Description/Summary:		
	FAN COIL UNITS FOR EACH CLASSROOM AND BAND AREA	
Status and Function of Controls:		
Savas and I another of controls		

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Building Letter/Number:

G

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

# **HVAC Assessments** - DISTRICT 7

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
	2.22.40	
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER, TRANE	_
General Comments:		
System Description/Summary:		
	DX SPLIT SYSTEM FOR THE BLACK BOX AREA	
R	OOFTOP DX PACKAGE UNITS FOR THE CLASSROOMS	
tatus and Function of Controls:		

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Building Letter/Number: H ---- WINDOW UNITS

Yes/No	System Type:		
	Air-Cooled Chillers		
	Water Cooled Chillers		
	Heat Type:		
	Hot Water		
	Electric		
	DX Package, Split System		
	Heat Type:		
	Hot Water		
	Electric		
	27111		
	RTU Unit		
	Heat Type:		
	Hot Water		
	Electric		
	VRF Multizone Package Unit		
	Heat Type:		
	Hot Water		
	Electric		
	Chilled Weber Pinion		
	Chilled Water Piping:  2-pipe	+	
	4-pipe		
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide		
	Age of Unit:		
	Chilled Water Piping		
	Piping Issues		
	Condenser Water Piping		
	Piping Issues		

# **Liberty High School** Hot Water Piping Piping Issues Piping Insulation **Ductwork Condition Boiler Condition** Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER: Manufacturer: General Comments: System Description/Summary: Status and Function of Controls:

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Building Letter/Number: I, J, M ---- NO HVAC

Yes/No	System Type:		
	Air-Cooled Chillers		
	Water Cooled Chillers		
	Heat Type:		
	Hot Water		
	Electric		
	DX Package, Split System		
	Heat Type:		
	Hot Water		
	Electric		
	27111		
	RTU Unit		
	Heat Type:		
	Hot Water		
	Electric		
	VRF Multizone Package Unit		
	Heat Type:		
	Hot Water		
	Electric		
	Chilled Weber Pinion		
	Chilled Water Piping:  2-pipe		
	4-pipe		
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide		
	Age of Unit:		
	Chilled Water Piping		
	Piping Issues		
	Condenser Water Piping		
	Piping Issues		

# **Liberty High School** Hot Water Piping Piping Issues Piping Insulation **Ductwork Condition Boiler Condition** Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER: Manufacturer: General Comments: System Description/Summary: Status and Function of Controls:

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Building Letter/Number: L - CHILLER MECH

Yes/No	System Type:		
	Air-Cooled Chillers		NO
	Water Cooled Chillers	,	YES
	Heat Type:		
	Hot Water	,	YES
	Electric		NO
	DX Package, Split System		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	RTU Unit		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	VRF Multizone Package Unit		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	Chilled Water Piping:	,	YES
	2-pipe	,	YES
	4-pipe		NO
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide		FAIR
	Age of Unit:		2000
	Chilled Water Piping		FAIR
	Piping Issues		FAIR
	Condenser Water Piping		N/A
	Piping Issues		N/A

	Hot Water Piping	FA	AIR
	Piping Issues	F.A	AIR
	Piping Insulation	F.A	AIR
	Ductwork Condition	F.A	AIR
	Boiler Condition	F.A	AIR
Refrigerant Type:	R-22		
Energy STAR Rating:			
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:	YORK, TRANE		
General Comments:			
	CHILLER BUILDING		
System Description/Summary:			
W	ATER COOLED SCREW CHILLERS ON 2-PIPE SYSTEM		
	BOILER IN E-BUILDING		
Status and Function of Controls:			

## **Liberty High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MCKINLEY HIGH SCHOOL

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type	. R-22	
Energy STAR Rating:		_
ASHRAE Life Expectance		_
SEER/EER:		_
Manufacturer:	CARRIER	_
		_
General Comments:		
	ROTC BUILDING	
System Description/Summary:		
1 2		
	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
tatus and Function of Controls:	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
atus and Function of Controls:	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
atus and Function of Controls:	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	
atus and Function of Controls:	ROOFTOP DX PACKAGE UNIT FOR THE ROTC	

**McKinley High School** 

## **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Southdowns Elementary School**

Hot Water Piping	FAIR
Piping Issues	FAIR
Piping Insulation	FAIR
Ductwork Condition	FAIR
Boiler Condition	FAIR
Refrigerant Type:	
Energy STAR Rating:	
ASHRAE Life Expectance:	
SEER/EER:	
Manufacturer:	
General Comments:	
A-BUILDING	
BOILER IN A-BUILDING	
CHILLER IN H-BUILDING	
System Description/Summary:	
2-PIPE CHILL WATER FAN COIL UNITS FOR EACH CLA	
CONVENTION HOT WATER WALL HEATER IN EACH CL NATURAL DRAFT BOILER IN A BUILDING	ASSROOM
Status and Function of Controls:	

## **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Southdowns Elementary School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	B-BUILDING	
	BOILER IN A-BUILDING	
	CHILLER IN H-BUILDING	
System Description/Summary:		
	E CHILL WATER FAN COIL UNITS FOR EACH CLASSROOM	
CONV	ENTION HOT WATER WALL HEATER IN EACH CLASSROOM	
Status and Function of Controls:		
i		

#### **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	<u> </u>
	General System Condition Campus Wide	FAIF
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Southdowns Elementary School**

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
		I
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER	
General Comments:		
	DINING ROOM	
	NGLE ZONE DX SPLIT SYSTEM FOR THE DINING AREA SUSPENDED GAS HEATERS FOR DINING AREA DOW UNITS AND SUSPENDED GAS HEATER FOR KITCHEN	
SI WINI	SUSPENDED GAS HEATERS FOR DINING AREA	
SI WINI	SUSPENDED GAS HEATERS FOR DINING AREA	
SI	SUSPENDED GAS HEATERS FOR DINING AREA	
SI WINI	SUSPENDED GAS HEATERS FOR DINING AREA	
SI WINI	SUSPENDED GAS HEATERS FOR DINING AREA	

#### **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

#### **Southdowns Elementary School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	BOILER IN A BUILDING CHILLER IN H BUILDING	
	CHILLER IN II BUILDING	
System Description/Summary:		
	4-PIPE FAN COIL UNITS FOR EACH CLASSROOM	
Status and Function of Controls:		

#### **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Ε

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Southdowns Elementary School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:		_
Energy STAR Rating:		_
ASHRAE Life Expectance:		_
SEER/EER:		_
Manufacturer:		_
General Comments:		
	BOILER IN A BUILDING CHILLER IN H BUILDING	
	CHILLER IN H BUILDING	
System Description/Summary:		
	4-PIPE FAN COIL UNITS FOR EACH CLASSROOM	
Status and Function of Controls:		

#### **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A

## **Southdowns Elementary School**

	not water riping	I All
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	BOILER IN A BUILDING	
	CHILLER IN H BUILDING	
System Description/Summary:		
, ,	4-PIPE FAN COIL UNITS FOR EACH CLASSROOM	
Status and Function of Controls:		

#### **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

G

School Name: SOUTHDOWNS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	•
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A

#### **Southdowns Elementary School**

	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	GOODMAN	
General Comments:		
	LIBRARY	
System Description/Summary:		
SINGL	E ZONE GROUND LEVEL PACKAGE UNIT FOR THE LIBRARY	
Status and Function of Controls:		

#### **Southdowns Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: SOUTHDOWNS

Building Letter/Number: H - CHILLER MECH

Yes/No	System Type:		
	Air-Cooled Chillers	Y	ΈS
	Water Cooled Chillers	N	Ю
	Heat Type:		
	Hot Water	N	Ю
	Electric	N	Ю
	DX Package, Split System	N	Ю
	Heat Type:		
	Hot Water	N	Ю
	Electric	N	Ю
	RTU Unit	N	IO
	Heat Type:		
	Hot Water	N	Ю
	Electric	N	Ю
	VRF Multizone Package Unit	N	IO
	Heat Type:		
	Hot Water	N	Ю
	Electric	N	Ю
	Chilled Water Piping:	Y	ΈS
	2-pipe	N	Ю
	4-pipe	Y	ΈS
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	F	AIR
	Age of Unit:	20	001
	Chilled Water Piping	F	AIR
	Piping Issues	F	AIR
	Condenser Water Piping	N	I/A
	Piping Issues	N	I/A

## **Southdowns Elementary School**

	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	CHILLER MECH	
System Description/Summary:		
AIR COOLI	ED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF CONSTANT VOLUME PUMPING	
	CONSTANT VOLUME PUMPING	
Status and Function of Controls:		

## **University Terrace Elementary at Polk ES**

#### **EBRPSS HVAC Equipment System Assessment**

School Name:	POL
Building Letter/Number:	A

Yes/No	System Type:		
	Air-Cooled Chillers	YES	S
	Water Cooled Chillers	NO	
	Heat Type:	NO	
	Hot Water	YES	S
	Electric	NO	
	DX Package, Split System	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	RTU Unit	NO	
	Heat Type:	NO	
	Hot Water	NO	
	Electric	NO	
	VRF Multizone Package Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	Chilled Water Piping:	YES	S
	2-pipe	NO	
	4-pipe	YES	S
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	FAIF	R
	Age of Unit:	201	14
	Chilled Water Piping	FAIF	R
	Piping Issues	FAIF	R
	Condenser Water Piping	N/A	١.
	Piping Issues	N/A	١
	Hot Water Piping	FAII	R
	Piping Issues	FAII	R
	Piping Insulation	FAIF	R
	Ductwork Condition	N/A	١
	Boiler Condition	FAIF	R

Refrigerant Type:	R-410A
Energy STAR Rating:	
ASHRAE Life Expectance:	

**University Terrace Elementary at Polk ES** 

# SEER/EER: Manufacturer: YORK General Comments: AUDITORIUM - CAFETERIA 4-PIPE BOILER IN A BUILDING CHILLERS OUTSIDE A BUILDING & IN D BUILDING System Description/Summary: ROOFTOP CHILL WATER AND HOT WATER AHUS DEDICATED AIR COOLED CHILLER ON GROUND FORCED DRAFT POWER BURNER BOILER IN MECHANICAL ROOM Status and Function of Controls:

## **University Terrace Elementary at Polk ES**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: POLK
Building Letter/Number: B

Yes/No	System Type:		
	Air-Cooled Chillers		YES
	Water Cooled Chillers		NO
	Heat Type:		NO
	Hot Water		YES
	Electric		NO
	DX Package, Split System		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	RTU Unit		YES
	Heat Type:		NO
	Hot Water		NO
	Electric		YES
	VRF Multizone Package Unit		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	Chilled Water Piping:		YES
	2-pipe		NO
	4-pipe		YES
Good, Fair, Poor	System Condition:	•	
	General System Condition Campus Wide		FAIR
	Age of Unit:		
	Chilled Water Piping		FAIR
	Piping Issues		FAIR
	Condenser Water Piping		N/A
	Piping Issues		N/A
	Hot Water Piping		FAIR
	Piping Issues		FAIR
	Piping Insulation		FAIR
	Ductwork Condition		FAIR
	Boiler Condition		FAIR

Refrigerant Type:	R-410A
Energy STAR Rating:	
ASHRAE Life Expectance:	

University Terrace Elementary at Polk ES

SEER/EER:		<del></del>
Manufacturer:	YORK	
General Comments:		
	MAIN BUILDING	
System Description/Summary:		
	4-PIPE FAN COIL UNITS IN EACH CLASSROOM DX SPLIT SYSTEM FOR OFFICE AREA GROUND DX PACKAGE UNITS FOR LIBRARY AREA	
Status and Function of Controls:		

## **University Terrace Elementary at Polk ES**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: POLK

Building Letter/Number: C --- NO HVAC

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	
	Chilled Water Piping	
	Piping Issues	
	Condenser Water Piping	
	Piping Issues	
	Hot Water Piping	
	Piping Issues	
	Piping Insulation	
	Ductwork Condition	
	Boiler Condition	

Refrigerant Type:	
Energy STAR Rating:	
ASHRAE Life Expectance:	

University Terrace Elementary at Polk ES	
Oniversity lenace Elementary at Polk E3	
SEER/EER:	
Manufacturer:	
General Comments:	
System Description/Summary:	
Зузен эсеприоновники у.	
Status and Function of Controls:	

## **University Terrace Elementary at Polk ES**

#### **EBRPSS HVAC Equipment System Assessment**

POLK

School Name:

Building Letter/Number: D - CHILLER MECH

Air-Cooled Chillers  Water Cooled Chillers  Heat Type:  Hot Water  Electric  DX Package, Split System  Heat Type:  Hot Water  Electric  RTU Unit	YES NO NO YES NO NO NO NO NO NO
Heat Type:  Hot Water  Electric  DX Package, Split System  Heat Type:  Hot Water  Electric	NO YES NO NO
Hot Water  Electric  DX Package, Split System  Heat Type:  Hot Water  Electric	YES NO NO NO
Electric  DX Package, Split System  Heat Type:  Hot Water  Electric	NO NO NO
DX Package, Split System  Heat Type:  Hot Water  Electric	NO NO
Heat Type:  Hot Water  Electric	NO
Hot Water Electric	
Electric	
	NO
RTU Unit	<u>                                       </u>
	NO
Heat Type:	NO
Hot Water	NO
Electric	NO
VRF Multizone Package Unit	NO
	NO
	NO
Electric	NO
	YES
· · ·	NO
	YES
· · · · · · · · · · · · · · · · · · ·	
	FAIR
	2001
	FAIR
· -	FAIR
	N/A
	N/A
Hot Water Piping	N/A
Piping Issues	N/A
Piping Insulation	FAIR
Ductwork Condition	N/A
	Heat Type:  Hot Water  Electric  VRF Multizone Package Unit  Heat Type:  Hot Water  Electric  Chilled Water Piping:  2-pipe 4-pipe System Condition:  General System Condition Campus Wide  Age of Unit:  Chilled Water Piping Piping Issues  Condenser Water Piping Piping Issues  Hot Water Piping Piping Issues Piping Issues

Refrigerant Type:	R-22
Energy STAR Rating:	
ASHRAE Life Expectance:	

System Description/Summary:  System Description/Summary:  AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF  Slatus and Function of Controls:	Sity Terrace Elementary at P		
Manufacturer:  General Comments:  System Description/Summary:  AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF			
Manufacturer:  General Comments:  System Description/Summary:  AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF			
General Comments:  System Description/Summary:  AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF	SEER/EER:		
System Description/Summary:  AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF		TE .	
System Description/Summary:  AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF	General Comments		
AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF	General Comments.		
AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF			
AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF			
AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF			
AIR COOLED SCREW CHILLER WITH REMOTE CONDENSER ON THE ROOF	System Description/Summary:		
Status and Function of Controls:		OTE CONDENSER ON THE ROOF	
Status and Function of Controls:			
Status and Function of Controls:			
Status and Function of Controls:			
	Status and Function of Controls:		

#### **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAGNOLIA WOODS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2000

## **Magnolia Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
	E ROOF AND PULL TYPE DISCONNECTS IN POOR CONDTION	
SHINGLI System Description/Summary:	E ROOF AND PULL TYPE DISCONNECTS IN POOR CONDTION  LE ZONE ROOFTOP DX PACKAGE UNITS WITH GAS HEAT	

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#### **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: MAGNOLIA WOODS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	FAIR
	Age of Unit:	2001

## **Magnolia Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Energy STAR Rating: ASHRAE Life Expectance: SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	D-BUILDING AUDITORIUM AND CAFETERIA	
General Comments:  ystem Description/Summary:		

#### **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAGNOLIA WOODS

Building Letter/Number: E - WINDOW UNITS ONLY

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Weter Diving	
	Chilled Water Piping:	
	2-pipe	
Cood Fair Dags	4-pipe	
Good, Fair, Poor	System Condition:  General System Condition Campus Wide	
	Age of Unit:	
	Age of Offic.	

## **Magnolia Elementary School**

	Chilled Water Piping	
	Piping Issues	
	Condenser Water Piping	
	Piping Issues	
	Hot Water Piping	
	Piping Issues	
	Piping Insulation	
	Ductwork Condition	
	Boiler Condition	
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER: Manufacturer:		
General Comments:		
System Description/Summary:		
	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
System Description/Summary: SINGLE 2	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
SINGLE Z	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	
SINGLE Z	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEAT	

## **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

F

School Name: MAGNOLIA WOODS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	FAIR
	Age of Unit:	2000

## **Magnolia Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:	F-BUILDING LIBRARY UNIT	
General Comments:	F-BUILDING LIBRARY UNIT	
General Comments:	F-BUILDING LIBRARY UNIT  ROOFTOP DX PACKAGE UNIT WITH GAS HEAT	

#### **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAGNOLIA WOODS

Building Letter/Number: H,G,I,J

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	'
	General System Condition Campus Wide	FAIR
	Age of Unit:	2000

## **Magnolia Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance:	R-22	
SEER/EER:	TDANE	
Manufacturer:	TRANE	
General Comments:	OF AND PULL TYPE DISCONNECTS IN POOR CONDTION	
	OF AND PULL TYPE DISCONNECTS IN POOR CONDTION	
ROC System Description/Summary:		
ROC System Description/Summary:	DF AND PULL TYPE DISCONNECTS IN POOR CONDTION  LE ZONE ROOFTOP DX PACKAGE UNITS WITH GAS HEAT  ONE UNIT FOR EACH CLASSROOM	

#### **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAGNOLIA WOODS

Building Letter/Number: L,K --- NO HVAC

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Weter Diving	
	Chilled Water Piping:	
	2-pipe	
Cood Fair Dags	4-pipe	
Good, Fair, Poor	System Condition:  General System Condition Campus Wide	
	Age of Unit:	
	Age of Offic.	

## **Magnolia Elementary School**

		1	1
	Chilled Water Piping		
	Piping Issues		
	Condenser Water Piping		
	Piping Issues		
	Hot Water Piping		
	Piping Issues		
	Piping Insulation		
	Ductwork Condition		
	Boiler Condition		
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER: Manufacturer:			
General Comments:			
System Description/Summary:		_	
SINGLE ZO	ONE GROUND LEVEL DX PACKAGE UNITS WITH GAS HEA	XI	
Status and Function of Controls:			
Status and I unction of Controls.			

#### **Magnolia Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

M

School Name: MAGNOLIA WOODS

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2000

## **Magnolia Elementary School**

	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type: Energy STAR Rating: ASHRAE Life Expectance: SEER/EER:		_ _ _
Manufacturer:	TRANE	<del>_</del>
General Comments:		
General Comments:	M BUILDING	
System Description/Summary		
System Description/Summary:	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM	
System Description/Summary:	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM ELECTRIC HEAT IN VAV BOXES	
System Description/Summary:		
System Description/Summary:		
System Description/Summary:		

#### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
<u> </u>	Condenser Water Piping	 N/A

## **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR
		'
Refrigerant Type:	R-407C	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	STULZ	
General Comments:		
	ADMIN BUILDING TWO PIPE	
	CHILLER IN H BUILDING	
	BOILER IN C BUILDING	
System Description/Summary:		
	2 PIPE FAN COIL UNITS FOR MOST AREAS	
	DX SPLIT SYSTEM FOR DATA ROOM	
Status and Function of Controls:		

### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2011
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER	
General Comments:		
Deviation (Comment		
	LE ZONE DACVAGE UNIT WITH GAS HEAT FOR VITCHEN	
	LE ZONE PACKAGE UNIT WITH GAS HEAT FOR KITCHEN SUSPENDED GAS HEATERS FOR DINING AREA HEAT ONLY FAN COILS FOR AUDITORIUM	
SING	SUSPENDED GAS HEATERS FOR DINING AREA	
SING	SUSPENDED GAS HEATERS FOR DINING AREA HEAT ONLY FAN COILS FOR AUDITORIUM	
SING	SUSPENDED GAS HEATERS FOR DINING AREA HEAT ONLY FAN COILS FOR AUDITORIUM	
SING A/0	SUSPENDED GAS HEATERS FOR DINING AREA HEAT ONLY FAN COILS FOR AUDITORIUM	
SING A/0	SUSPENDED GAS HEATERS FOR DINING AREA HEAT ONLY FAN COILS FOR AUDITORIUM	
SING A/0	SUSPENDED GAS HEATERS FOR DINING AREA HEAT ONLY FAN COILS FOR AUDITORIUM	

#### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:		
	Air-Cooled Chillers	,	YES
	Water Cooled Chillers		NO
	Heat Type:		
	Hot Water	,	YES
	Electric		NO
	DX Package, Split System		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	RTU Unit		NO
	Heat Type:		NO
	Hot Water		NO
	Electric		NO
	VRF Multizone Package Unit	I	NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	Chilled Water Disings		
	Chilled Water Piping:		YES
	2-pipe		
Cood Foir Door	4-pipe		NO
Good, Fair, Poor	System Condition:		EAID
	General System Condition Campus Wide		FAIR
	Age of Unit:		FAID
	Chilled Water Piping		FAIR
	Piping Issues		NO
	Condenser Water Piping		N/A

### **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	NO
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:	N/A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	TWO PIPE	
	CHILLER IN H BUILDING BOILER IN C BUILDING	
	BOILER IN C BOILDING	
System Description/Summary:		
System Description Summary.	TWO PIPE FAN COIL UNITS	
Status and Function of Controls:		
Status and Punction of Controls:		
1		

### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	NO
	Condenser Water Piping	 N/A

### **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	NO
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:	N/A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	TWO PIPE	
	CHILLER IN H BUILDING	
	BOILER IN C BUILDING	
System Description/Summary:		
System Description/Summary.	TWO PIPE FAN COIL UNITS	
	TWO THE PHANCOLE CIVIES	
Status and Function of Controls:		
i		

#### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	'
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	NO
	Condenser Water Piping	N/A

### **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	NO
	Piping Insulation	FAIR
	Ductwork Condition	N/A
	Boiler Condition	FAIR
Refrigerant Type:	N/A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:		
General Comments:		
	TWO PIPE	
	CHILLER IN H BUILDING BOILER IN C BUILDING	
	BOILER IN C BOILDING	
System Description/Summary:		
System Description Summary.	TWO PIPE FAN COIL UNITS	
Status and Function of Controls:		
Status and Punction of Controls:		
1		

#### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	GAS
	Hot Water	
	Electric	
	DX Package, Split System	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	NO
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

### **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
LIBRARY BUILDI	NG, UNDERGROUND GAS LINE HAS LEAKS AND FILLS WITH WATER.	
System Description/Summary:		
	D LEVEL SINGLE ZONE DX PACKAGE UNIT WITH GAS HEAT	
Status and Function of Controls:		

#### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	YES
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2010
	Chilled Water Piping	NA
	Piping Issues	NA
	Condenser Water Piping	 NA

### **Mayfair Elementary School**

	Piping Issues	NA
	Hot Water Piping	NA
	Piping Issues	NA
	Piping Insulation	NA
	Ductwork Condition	FAIR
	Boiler Condition	NA
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	YORK	
General Comments:		
	QUAD BUILDING	
System Description/Summary:	DOOFTON DV DAGWAGE AD MIT FOR MANY SYSTEM	
	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM ELECTRIC HEAT IN VAV BOXES	
	EBBETRIC HEAT IN VAN BOARS	
Status and Function of Controls:		

#### **Mayfair Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: MAYFAIR ELEMENTARY

Building Letter/Number: H ---- CHILLER PLANT

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	YES
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2002
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A

### **Mayfair Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	N/A
	Boiler Condition	N/A
Refrigerant Type:	R-22	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	TRANE	
General Comments:		
	2-PIPE SYSTEM	
System Description/Summary:		
	COOLED CHILLER WITH REMOTE CONDENSER ON THE ROOF.	
Status and Function of Controls:		

#### **Wildwood Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: WILDWOOD

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	GAS
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
· · · · · · · · · · · · · · · · · · ·	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

#### **Wildwood Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	<del>-</del>	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	4 SEASONS	
ystem Description/Summary:		
vstem Description/Silmmary:		
	A SEASONS MULTIZONE DV DACVACE UNITS WITH CAS HEAT	
	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	
ROOFTOP	4 SEASONS MULTIZONE DX PACKAGE UNITS WITH GAS HEAT	

#### **Wildwood Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: WILDWOOD

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	·
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

#### **Wildwood Elementary School**

	Piping Issues		N/A
	Hot Water Piping		N/A
	Piping Issues		N/A
	Piping Insulation		N/A
	Ductwork Condition		FAIR
	Boiler Condition		N/A
Refrigerant Type:	R-22		
Energy STAR Rating:		<del></del>	
ASHRAE Life Expectance:			
SEER/EER:			
Manufacturer:	YORK		
General Comments:			
	QUAD BUILDING		
System Description/Summary:			
J 1 J	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM		
	VAV BOXES HAVE ELECTRIC HEAT		
Status and Function of Controls:			
i			

#### **Wildwood Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: WILDWOOD

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A

#### **Wildwood Elementary School**

	Piping Issues	N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A
Refrigerant Type:	R-410A	
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	JOHNSON CONTROLS	
General Comments:		
	QUAD BUILDING	
System Description/Summary:		
	ROOFTOP DX PACKAGE UNIT FOR VAV SYSTEM	
	VAV BOXES HAVE ELECTRIC HEAT	
Status and Function of Controls:		

### **Cedarcrest Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: CEDARCREST ELEM Building Letter/Number: A

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
YES	Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	FAN Coil
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
POOR	General System Condition Campus Wide
23	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
POOR	Ductwork Condition
	Boiler Condition

#### **Cedarcrest Elementary School**

Refrigerant Type: R22	
Energy STAR Rating:	
ASHRAE Life Expectance: 15	
North to Ene Expectance: 15	
SEER/EER Rating: 10	
Manufacturer: CARRIER	
General Comments:	
ALL UNITS ORIGINAL TO BUILDING AND ALL IN OPERABLE CONDITION. PAR	RTS FOR
THE CARRIER MULTIZONES ARE DISCONTINUED, MULTIPLE COMRESSORS	HAVE
BEEN REPLACED AND REFRIGERANT LEAKS REPAIRED. WE HAVE HAD TO R	EBUILD
PANS FOR UNITS DUE TO DESIGN ISSUES WITH CONDENSATE PANS / PIPING.	
System Description/Summary	
(4) CARRIER MULTIZONE PACKAGE UNIT, (1) YORK PACKAGE UNIT	
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	
DUC CONTINUES, OF ENABLE.	

### **Cedarcrest Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: CEDARCREST ELEM Building Letter/Number: B, C

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
YES	Electric
YES	Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	FAN Coil
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:			
POOR	General System Condition Campus Wide			
25	Age of Unit:			
	Chilled Water Piping			
	Piping Issues			
	ondenser Water Piping			
	Piping Issues			
	Hot Water Piping			
	Piping Issues			
	Piping Insulation			
POOR	Ductwork Condition			
	Boiler Condition			

#### **Cedarcrest Elementary School**

Refrigerant Type: R22	
Energy STAR Rating:	
ASHRAE Life Expectance: 15	
70 mile the Expectance 15	
SEER/EER Rating: 8	
Manufactures I FNNOV	
Manufacturer: LENNOX	
General Comments:	
ALL UNITS ORIGINAL TO BUILDING AND ALL IN OPERABLE CONDITION.	A.T.
COMRESSORS HAVE BEEN REPLACED, REFRIGERANT LEAKS REPAIRED, HE REPLACED, PANELS REPLACED.	AI
System Description/Summary	
(6) LENNOX ROOFTOP PACKAGE UNIT.	
Status and Function of Controls	
Status and Function of Controls  DDC CONTROLS, OPERABLE.	

### **Cedarcrest Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: CEDARCREST ELEM Building Letter/Number: D

Yes/No	System Type:		
	Air-Cooled Chillers		
	Water Cooled Chillers		
	Heat Type:		
	Hot Water		
	Electric		
YES	DX Package, Split System		
	Heat Type:		
	Hot Water		
YES	Electric		
	Gas		
	RTU Unit		
	Heat Type:		
	Hot Water		
	Electric		
	FAN Coil		
	VRF Multizone Package Unit		
	Heat Type:		
	Hot Water		
	Electric		
	Chilled Water Piping:		
	2-pipe		
	4-pipe		

Good, Fair, Poor	System Condition:			
FAIR	General System Condition Campus Wide			
7	Age of Unit:			
	Chilled Water Piping			
	Piping Issues			
	Condenser Water Piping			
	Piping Issues			
	Hot Water Piping			
	Piping Issues			
	Piping Insulation			
FAIR	Ductwork Condition			
	Boiler Condition			

#### **Cedarcrest Elementary School**

Refrigerant Type: R410	
Energy STAR Rating:	
ASHRAE Life Expectance: 15	
SEER/EER Rating: 10	
Manufacturer: CARRIER	
General Comments:	
UNIT OPERABLE	
System Description/Summary	
(1) CARRIER ROOFTOP PACKAGE UNIT WITH ELECTRIC HEAT VAV'S. (1) SANY SPLIT IN SERVER ROOM.	YO MINI
SI EN IN SERVER ROOM.	
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Cedarcrest Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: DALTON ELEM Building Letter/Number: E

Yes/No	System Type:	
YES	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
YES	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	Gas	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	FAN Coil	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	
YES	2-pipe	
	4-pipe	

Good, Fair, Poor	System Condition:			
FAIR	General System Condition Campus Wide			
19	Age of Unit:			
	Chilled Water Piping			
VERY POOR	Piping Issues			
	Condenser Water Piping			
	Piping Issues			
	Hot Water Piping			
	Piping Issues			
VERY POOR	Piping Insulation			
	Ductwork Condition			
FAIR	Boiler Condition			

#### **Cedarcrest Elementary School**

Refrigerant Type: R22	-
Energy STAR Rating:	-
ASHRAE Life Expectance: 20	
SEER/EER Rating: 9	-
Manufacturer: TRANE	-
General Comments:	
UNIT OPERABLE	
System Description/Summary	
(1) TRANE AIR COOLED CHILLER WITH REMOTE CONDENSER, (1) WATER BOILER.	TUBE
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

#### **Jefferson Terrace Academy**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: JEFFERSON TERRACE

Yes/No	System Type:		
	Air-Cooled Chillers		YES
	Water Cooled Chillers		NO
	Heat Type:		
	Hot Water		YES
	Electric		NO
	DX Package, Split System		YES
	Heat Type:		
	Hot Water		NO
	Electric		NO
	RTU Unit		YES
	Heat Type:		
	Hot Water		YES
	Electric		NO
	VRF Multizone Package Unit		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	Chilled Water Piping:		YES
	2-pipe		NO
	4-pipe		YES
Good, Fair, Poor	System Condition:	•	
	General System Condition Campus Wide		GOOD
	Age of Unit:		2020
	Chilled Water Piping		GOOD
	Piping Issues		GOOD
	Condenser Water Piping		GOOD
	Piping Issues		GOOD
	Hot Water Piping		GOOD
	Piping Issues		GOOD
	Piping Insulation		GOOD
	Ductwork Condition		GOOD
	Boiler Condition		GOOD

Refrigerant Type:		

fforces Torres Academy	
fferson Terrace Academy	
Energy STAR Rating:	
ASHRAE Life Expectance:	
SEER/EER:	
Manufacturer:	
General Comments:	
CHILLERS OUTSIDE B BUILDING BOILERS IN B BUILDING	
DOLLEG IN D DOLLDING	
System Description/Summary:  VARIABLE SPEED AHUS WITH PREHEAT COILS FOR VAV SYSTEM	
VAVIABLE SPEED AHUS WITH PREHEAT COILS FOR VAV STSTEM  VAVS HAVE HOT WATER COILS	
Status and Function of Controls:	
Status and 1 direction of Condons.	

#### **Jefferson Terrace Academy**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: JEFFERSON TERRACE

Building Letter/Number:

Yes/No	System Type:	
	Air-Cooled Chillers	YES
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	GOOD
	Age of Unit:	2020
	Chilled Water Piping	GOOD
	Piping Issues	GOOD
	Condenser Water Piping	GOOD
	Piping Issues	GOOD
	Hot Water Piping	GOOD
	Piping Issues	GOOD
	Piping Insulation	GOOD
	Ductwork Condition	GOOD
	Boiler Condition	GOOD

Refrigerant Type: R-134A

Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER	
General Comments:		
C	CHILLERS OUTSIDE B BUILDING BOILERS IN B BUILDING	
System Description/Summary:		
	ED VARIABLE SPEED SCREW CHILLERS EFFICENCY CONDENSING BOILERS	
VARIABLE SPEED	AHUS WITH PREHEAT COILS FOR VAV SYSTEM	
	VAVS HAVE HOT WATER COILS KUP FOR CAFETERIA AND OFFICE AREA	
Status and Function of Controls:		
		l l

#### **LaSalle Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: LASALLE ELEM Building Letter/Number: A

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type: Hot Water	
	Electric	
YES	DX Package, Split System	
	Heat Type:	
	Hot Water	
YES	Electric	
	Gas	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	FAN Coil	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	
	2-pipe	
	4-pipe	

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
10	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
POOR	Ductwork Condition
	Boiler Condition

### **LaSalle Elementary School**

Refrigerant Type: R22	-
Energy STAR Rating:	-
ASHRAE Life Expectance: 15	
SEER/EER Rating: 13	-
Manufacturer: GOODMAN	-
General Comments:	
UNITS OPERABLE. CMC REPLACED CONDENSER.	
System Description/Summary	
(1) SPLIT SYSTEM.	
Status and Function of Controls	
DDC CONTROLS, OPERABLE	

#### **LaSalle Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: LASALLE ELEM
Building Letter/Number: B,C,D,G,H

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
YES	Hot Water
	Electric
	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
	Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
YES	FAN Coil
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
YES	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
POOR	General System Condition Campus Wide
20+	Age of Unit:
	Chilled Water Piping
FAIR	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
FAIR	Piping Insulation
	Ductwork Condition
	Boiler Condition

# **LaSalle Elementary School**

Refrigerant Type: N/A	
Energy STAR Rating:	
ASHRAE Life Expectance: 20	
SEER/EER Rating: N/A	
Manufacturer: MCQUAY	
General Comments:	
UNITS OPERABLE. HAVE DRAIN ISSUES AT THIS SCHOOL DUE TO THE UNITARE PIPED TOGETHER AND FAN COILS AT DIFFERENT HEIGHTS.	TS DRAINS
System Description/Summary	
(23) MCQUAY FAN COILS.	
Status and Function of Controls	
DDC CONTROLS, OPERABLE	

### **LaSalle Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: LASALLE ELEM Building Letter/Number: E

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
1770	
YES	DX Package, Split System
	Heat Type:
	Hot Water
YES	Electric
	Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	FAN Coil
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
6	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
POOR	Ductwork Condition
	Boiler Condition

## LaSalle Elementary School

Refrigerant Type: R22	
	•
Energy STAR Rating:	
	•
ASHRAE Life Expectance: 15	
SEER/EER Rating: 13	•
Manufacturer: GOODMAN	
General Comments:	
UNITS OPERABLE. CMC REPLACED PACKAGE ROOFTOP UNIT.	
System Description/Summary	
System Description/Summary  (1) PACKAGE UNIT.	
(1) PACKAGE UNIT.	
(1) PACKAGE UNIT.  Status and Function of Controls	
(1) PACKAGE UNIT.	

### **LaSalle Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: LASALLE ELEM Building Letter/Number: F,I

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
YES	Electric
	Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	FAN Coil
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
12	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
FAIR	Ductwork Condition
	Boiler Condition

### **LaSalle Elementary School**

Refrigerant Type: R410	
Energy STAR Rating:	
ASHRAE Life Expectance: 15	
SEER/EER Rating: 11	
Manufacturer: YORK/JCI	
General Comments:	
UNITS OPERABLE. CMC REPLACED YORK KITCHEN CONDENSER WITH TRA CONDENSERS DUE TO MICRO CHANNEL COILS LEAKING.	NE
System Description/Summary	
(4) SPLIT SYSTEMS.	
Status and Function of Controls	
DDC CONTROLS, OPERABLE	

### **LaSalle Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: LASALLE ELEM Building Letter/Number: J

Yes/No	System Type:
YES	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
YES	Hot Water
	Electric
	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
	Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	FAN Coil
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
YES	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
19 – CHILLER 20 - BOILER	Age of Unit:
	Chilled Water Piping
POOR	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
POOR	Piping Insulation
	Ductwork Condition
FAIR	Boiler Condition

## **LaSalle Elementary School**

Refrigerant Type: R22	-
Energy STAR Rating:	-
ASHRAE Life Expectance: 20	
SEER/EER Rating: 9	-
Manufacturer: TRANE	-
General Comments:	
UNITS OPERABLE.	
System Description/Summary	
(1) TRANE AIR COOLED CHILLER WITH REMOTE CONDENSER, (1) WATER BOILER.	TUBE
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Parkview Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: PARKVIEW ELEM Building Letter/Number: Bldg. A

Yes/No	System Type:
-	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
	Electric
YES	Natural Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
20	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
FAIR	Ductwork Condition
	Boiler Condition

#### **Parkview Elementary School**

Refrigerant Type: R22
Energy STAR Rating:
ASHRAE Life Expectance 15 YRS.
SEER/EER Rating 9
Manufacturer SEASON-4,
General Comments:

UNIT'S IN OPERABLE CONDITION. HAVE REPLACED MANY COMPRESSORS DURING 2018-2019 SCHOOL YEAR ON MULTIPLE UNITS. DRAIN LINES ARE ORIGINAL, THE HAVE CRACKED, BROKEN OVER TIME AND DO NOT RUN TO

System Description/Summary

(5) SEASON-4 DX MULTI-ZONE ROOFTOP DX PACKAGE UNITS, (1) YORK ROOFTOP DX PACKAGE UNIT.

Status and Function of Controls

DDC CONTROLS, OPERABLE.

### **Parkview Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: PARKVIEW ELEM Building Letter/Number: BLDG. B

Yes/No	System Type:			
	Air-Cooled Chillers			
	Water Cooled Chillers			
	Heat Type:			
	Hot Water			
	Electric			
YES	DX Package, Split System			
	Heat Type:			
	Hot Water			
	Electric			
YES	Natural Gas			
	RTU Unit			
	Heat Type:			
	Hot Water			
	Electric			
	VRF Multizone Package Unit			
	Heat Type:			
	Hot Water			
	Electric			
	Chilled Water Piping:			
	2-pipe			
	4-pipe			

Good, Fair, Poor	System Condition:
FAIR	General System Condition Campus Wide
22	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
POOR	Ductwork Condition
	Boiler Condition

### Parkview Elementary School

Refrigerant Type: R22	
Energy STAR Rating:	
ASHRAE Life Expectance: 15 YRS.	
SEER/EER Rating: 8	
Manufacturer: YORK	
General Comments:	
UNIT'S IN OPERABLE CONDITION. REPLACE ALL HEAT EXCHANGER YORKS.	IS ON
System Description/Summary	
(4) YORK ROOFTOP DX PACKAGE UNIT.	
Status and Function of Controls	
DDC CONTROLS, OPERABLE.	

### **Parkview Elementary School**

#### **EBRPSS HVAC Equipment System Assessment**

**School Name:** PARKVIEW ELEM **Building Letter/Number:** BLDG. C

Yes/No	System Type:
	Air-Cooled Chillers
	Water Cooled Chillers
	Heat Type:
	Hot Water
	Electric
YES	DX Package, Split System
	Heat Type:
	Hot Water
YES	Electric
	Natural Gas
	RTU Unit
	Heat Type:
	Hot Water
	Electric
	VRF Multizone Package Unit
	Heat Type:
	Hot Water
	Electric
	Chilled Water Piping:
	2-pipe
	4-pipe

Good, Fair, Poor	System Condition:
GOOD	General System Condition Campus Wide
10	Age of Unit:
	Chilled Water Piping
	Piping Issues
	Condenser Water Piping
	Piping Issues
	Hot Water Piping
	Piping Issues
	Piping Insulation
FAIR	Ductwork Condition
	Boiler Condition

### **Parkview Elementary School**

Refrigerant Type: R410	
Energy STAR Rating:	
ASHRAE Life Expectance: 15 YRS.	
SEER/EER Rating: 10	
Manufacturer: YORK	
General Comments:	
UNIT'S IN OPERABLE CONDITION. REPAIRED REFRIGERANT LEAKS	ON COILS.

#### System Description/Summary

(1) JCI ROOFTOP DX PACKAGE UNIT WITH ELECTRIC REHEAT VAV'S.

#### Status and Function of Controls

DDC CONTROLS, BACKNET CARD FOR CONTROLS HAS NEVER BEEN ABLE TO COMMUNICATE WITH BLDG. CONTROLS. ARAMARK CONTROLS UNIT BY VAV'S.

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: TARA HIGH

Yes/No	System Type:		
	Air-Cooled Chillers	NO	
	Water Cooled Chillers	YES	
	Heat Type:		
	Hot Water	YES	
	Electric	NO	
	DX Package, Split System	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	RTU Unit	YES	
	Heat Type:		
	Hot Water	NO	
	Electric	YES	
	VRF Multizone Package Unit	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	Chilled Water Piping:	YES	
	2-pipe	NO	
	4-pipe	YES	
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	FAIR	t
	Age of Unit:	1995	i
	Chilled Water Piping	FAIR	t
	Piping Issues	FAIR	t
	Condenser Water Piping	POOI	ıR
	Piping Issues	FAIR	t
	Hot Water Piping	FAIR	t _
	Piping Issues	FAIR	t
	Piping Insulation	FAIR	1
	Ductwork Condition	POOL	R
	Boiler Condition	FAIR	

Refrigerant Type:	R-22	
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ara High School	
gg	
Energy STAR Rating:	
ASHRAE Life Expectance:	
SEER/EER:	
Manufacturer:	TRANE, YORK
Manufacturer:	Training Forti
General Comments:	
M	AIN BUILDING, BOILER AND CHILLER IN A BUILDING
	CONDENSER WATER PIPING LEAKS UNDER SLAB
	CONDENSER WATER FIFING LEAKS UNDER SLAB
FLEX DUCT WAS INPROPERI	LY INSTALLED WHEN CLASSROOM MIXING BOXES WERE CONVERTED TO DUAI
	VAV'S
System Description/Summary:	
	WATER COOLED SCREW CHILLERS 4-PIPE SYSTEM
	IEUMATIC CONTROLS IN CLASSROOMS AND AT AHUS
AHUS ARE HOT D	ECK COLD DECK UNITS CONVERTED TO VARIABLE SPEED BLOWERS
	PNUEMATIC DUAL VAVS FOR THE CLASSROOMS MIXING BOXES FOR LIBRARY AND MAIN OFFICE
ROOFTO	P DX PACKAGE UNITS FOR OFFICE AND TEACHERS LOUNGE
noor re	. Bit the late of the bit of the bit by the late by the bit of the
Status and Function of Controls:	
Status and Function of Controls.	

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: TARA HIGH

Building Letter/Number:

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	FAIR
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	FAIR
	Piping Issues	FAIR
	Piping Insulation	FAIR
	Ductwork Condition	POOR
	Boiler Condition	FAIR

Refrigerant Type:

CTAD D. C				
CTAP P. C				
CTAP P. C				
CTAR D. C				
nergy STAR Rating: AE Life Expectance:				
Trianalacturer.				
al Comments:				
	DINING AREA			
cription/Summary:	4 -PIPE AHU FOR DINING A	REA	1	
unction of Controls:				
	SEER/EER:  Manufacturer:  al Comments:  scription/Summary:  unction of Controls:	Manufacturer:  al Comments:  DINING AREA  DINING AREA  4 - PIPE AHU FOR DINING A	Manufacturer:  al Comments:  DINING AREA  scription/Summary:  4 -PIPE AHU FOR DINING AREA	Manufacturer:  al Comments:  DINING AREA  Scription/Summary:  4 -PIPE AHU FOR DINING AREA

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

С

School Name: TARA HIGH

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	2018
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	N/A
	Hot Water Piping	 N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	 N/A

Refrigerant Type:	R-410A
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a Histo Cabaal		
a High School		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:		
Manufacturer:	CARRIER	
General Comments:		
General Comments.	ROTC	
System Description/Summary:		
	OOFTOP PACKAGE UNIT FOR ROTC AREA	
Status and Function of Controls:		
Status and I unction of Controls.		

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

D

School Name: TARA HIGH

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	YES
	Heat Type:	
	Hot Water	YES
	Electric	NO
	DX Package, Split System	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	YES
	2-pipe	NO
	4-pipe	YES
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	 FAIR
	Age of Unit:	
	Chilled Water Piping	FAIR
	Piping Issues	 FAIR
	Condenser Water Piping	 N/A
	Piping Issues	 N/A
	Hot Water Piping	 FAIR
	Piping Issues	FAIR
	Piping Insulation	 FAIR
	Ductwork Condition	FAIR
	Boiler Condition	FAIR

Refrigerant Type:		

Tara High School		
Energy STAR Rating:		
ASHRAE Life Expectance:		
SEER/EER:	_	
Manufacturer:	_	
1		
General Comments:		
	GYM	
System Description/Summary:		
	4 -PIPE AHUS FOR GYM AND LOCKER ROOMS	
Status and Function of Controls:		

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

School Name: TARA HIGH

Building Letter/Number: E,H --- NO HVAC

Yes/No	System Type:	
	Air-Cooled Chillers	
	Water Cooled Chillers	
	Heat Type:	
	Hot Water	
	Electric	
	DX Package, Split System	
	Heat Type:	
	Hot Water	
	Electric	
	RTU Unit	
	Heat Type:	
	Hot Water	
	Electric	
	VRF Multizone Package Unit	
	Heat Type:	
	Hot Water	
	Electric	
	Chilled Water Piping:	
	2-pipe	
	4-pipe	
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	
	Age of Unit:	
	Chilled Water Piping	
	Piping Issues	
	Condenser Water Piping	
	Piping Issues	
	Hot Water Piping	
	Piping Issues	
	Piping Insulation	
	Ductwork Condition	
	Boiler Condition	

Refrigerant Type:		

a High School		
Energy STAR Rating:	-	
ASHRAE Life Expectance:	•	
SEER/EER:		
General Comments:		
System Description/Summary:		
Status and Function of Controls:		

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

F

School Name: TARA HIGH

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	 N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A

Refrigerant Type:	R-22	

Tara High School			
Energy STAR Rati	ng:		
ASHRAE Life Expectar	nce:		
SEER/EE	ER:	<del></del>	
Manufacture	er: HEIL		
General Comments:			
	WEIGHT ROOM		
System Description/Summary			
	SINGLE ZONE DX SPLIT SYSTEM FOR WEIGHT ROOM		
Status and Function of Contro	ls:		

### **Tara High School**

#### **EBRPSS HVAC Equipment System Assessment**

G

School Name: TARA HIGH

Building Letter/Number:

Yes/No	System Type:	
	Air-Cooled Chillers	NO
	Water Cooled Chillers	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	DX Package, Split System	YES
	Heat Type:	
	Hot Water	NO
	Electric	YES
	RTU Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	VRF Multizone Package Unit	NO
	Heat Type:	
	Hot Water	NO
	Electric	NO
	Chilled Water Piping:	NO
	2-pipe	NO
	4-pipe	NO
Good, Fair, Poor	System Condition:	
	General System Condition Campus Wide	FAIR
	Age of Unit:	
	Chilled Water Piping	N/A
	Piping Issues	N/A
	Condenser Water Piping	N/A
	Piping Issues	 N/A
	Hot Water Piping	N/A
	Piping Issues	N/A
	Piping Insulation	N/A
	Ductwork Condition	FAIR
	Boiler Condition	N/A

Refrigerant Type: R-410A

Tara High School	
Energy STAR Rating:	
ASHRAE Life Expectance:	
SEER/EER:	
Manufacturer: GOODMAN	
General Comments:	1
BASEBALL LOCKERS	
System Description/Summary:	ı
SINGLE ZONE DX SPLIT SYSTEM FOR BASEBALL LOCKERROOM BUILDING	]
Status and Function of Controls:	1
	•

### **Westminster Elementary**

#### **EBRPSS HVAC Equipment System Assessment**

Α

School Name: WESTMINISTER ELEMENTARY

Yes/No	System Type:		
	Air-Cooled Chillers		NO
	Water Cooled Chillers		NO
	Heat Type:		
	Hot Water		YES
	Electric		NO
	DX Package, Split System		YES
	Heat Type:		
	Hot Water		YES
	Electric		NO
	RTU Unit		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	VRF Multizone Package Unit		NO
	Heat Type:		
	Hot Water		NO
	Electric		NO
	Chilled Water Piping:		
	2-pipe		NO
	4-pipe		NO
Good, Fair, Poor	Good, Fair, Poor System Condition:		
	General System Condition Campus Wide		FAIR
	Age of Unit:		1999
	Chilled Water Piping		N/A
	Piping Issues		N/A
	Condenser Water Piping		N/A
	Piping Issues		N/A
	Hot Water Piping		FAIR
	Piping Issues		FAIR
	Piping Insulation		FAIR
	Ductwork Condition		FAIR
	Boiler Condition		FAIR

Refrigerant Type:	R-407C
Energy STAR Rating:	
ASHRAE Life Expectance:	

SEER/EER:			
Manufacturer:	TRANE		
General Comments:			_
	PNUEMATIC ZONE CONTROLS		
System Description/Summary:			<b>-</b> -
	AHUS DX SPLIT SYSTEMS WITH CONDE DT WATER HEATING FOR A -BUILDING BOILER ON THE ROOF	NSERS ON THE ROOF	
Status and Function of Controls:			
Status and I unction of Condols.			

### **Westminster Elementary**

#### **EBRPSS HVAC Equipment System Assessment**

В

School Name: WESTMINISTER ELEMENTARY

Yes/No	System Type:		
	Air-Cooled Chillers	NO	
	Water Cooled Chillers	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	DX Package, Split System	NO	
	Heat Type:		
	Hot Water	NO	
	Electric	NO	
	RTU Unit	YES	
	Heat Type:	GAS	
	Hot Water	NO	
	Electric	NO	
	VRF Multizone Package Unit	NO	
	Heat Type:	NO	
	Hot Water	NO	
	Electric	NO	
	Chilled Water Piping:		
	2-pipe	NO	
	4-pipe	NO	
Good, Fair, Poor	System Condition:		
	General System Condition Campus Wide	FAIR	
	Age of Unit:	2002	
	Chilled Water Piping	N/A	
	Piping Issues	N/A	
	Condenser Water Piping	N/A	
	Piping Issues	N/A	
	Hot Water Piping	N/A	
	Piping Issues	N/A	
	Piping Insulation	N/A	
	Ductwork Condition	FAIR	
	Boiler Condition	N/A	

Refrigerant Type:	R-22
Energy STAR Rating:	
ASHRAE Life Expectance:	

Westminster Elementary	
Westillister Elementary	
SEER/EER:	
Manufacturer: TRANE	
General Comments:	
System Description/Summary:	
ROOFTOP SINGLE ZONE PACKAGE UNITS WITH GAS HEAT ONE UNIT PER CLASSROOM	
Status and Function of Controls:	