

## Facility, and Major Facility Component, Age and Date of Replacement

Included in the Department of Corrections' (SCDC) February 19, 2020 letter to the House Legislative Oversight Committee (LOC). This information was provided in response to the following question in LOC's January 30, 2020, letter to the Department of Corrections: "18. Please provide a chart which lists the date each SCDC building was constructed and date each major element, within each facility, was fully replaced (e.g. roof, boiler, windows, etc.)"

In addition to providing the information in this document, SCDC provided the following response:

- Please see attached HLOC Information Institutions

# Age of SCDC's Facilities and Building Infrastructure

2/5/2020

- Based on available records

Component	What it does	What happens if it breaks
Boiler	is water containing vessel which transfers heat from a fuel source into steam which is piped to a point where it can be used to provide heat, to cook, etc.	Loose heat in building or instituion depending on what is seved by the boiler. If it is a kitchen boiler you loose the ability to cook using steam kettles.
Chiller	is a machine that removes heat from a liquid via a vapor-compression or absorption refrigeration cycle.	Loose A/C in building or instituion depending on what is seved by the Chiller.
Cooling Tower	is used to dispose of unwanted heat from a chiller	Loose A/C in building or instituion depending on what chiller is seved by the cooling tower.
Fire Alarm	is a unit made of several devices, which uses visual and audio signalization to warn people about a possible fire, or smoke, occurrence in the area of coverage	Endangers occupants of building.
HVAC	provides heating and cooling to residential and commercial buildings	Loose A/C and or Heating in building served by that HVAC unit.
Switch Gear	is the combination of electrical disconnect <b>switches</b> , fuses or circuit breakers used to control, protect and isolate electrical equipment.	Loose power to anything served by switch gear.
Electrical Loop	transmission lines that enable electricity to be fed from either end to isolate a fault	Loss of electrical lines will cut power to everything after fault.
Transformer	is an electrical apparatus designed to convert alternating current from one voltage to another.	Power lost to building or equipment which the transformer serves.
Roof	is the top covering of a building, including all materials and constructions necessary to support it on the walls of the building or on uprights; it provides protection against rain, snow, sunlight, extremes of temperature, and wind.	Interior of building damaged by the elements.

## Allendale Correctional Institution

Opened in 1989  
20 Support Buildings  
5 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	2009	11 Years	30 Years
	S-Building	2009	11 Years	
	S-Building	2009	11 Years	
	Kitchen	1987	33 Years	
Chillers Water Cooled	S-Building	2000	20 Years	25 Years
	S-Building	2009	11 Years	
Cooling Tower	S-Building	2009	11 Years	20 Years
	S-Building	2009	11 Years	
Fire Alarm*	Institution Wide	2002	18 Years	20 Years Max
HVAC*	Support Buildings Dorms F1,F2,F3&F4	1989	31 Years	20 Years
		2016	4 Years	
Switch Gear	Institution Wide	1989	31 Years	40 Years
Electrical Loop	Institution Wide	1989	31 Years	30 Years
Transformers*	Institution Wide	1989	31 Years	30 years
Roofs	All Buildings	1989	31 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Broad River Correctional Institution

Opened in 1988  
22 Support Buildings  
9 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	2009	11 years	30 Years
	S-Building	2009	11 Years	
	S-Building	2009	11 Years	
	Kitchen	1988	32 Years	
	Molturie Dorm	2003	17 Years	
	Greenwood Dorm	2003	17 Years	
Chillers Water Cooled	S-Building	2009	11 Years	25 Years
	S-Building	2009	11 Years	25 Years
Chillers Air Cooled	Molturie Dorm	2003	17 Years	20 Years
	Greenwood Dorm	2019	1 Year	
Cooling Tower	S-Building	2006	14 Years	20 Years
	S-Building	2006	14 Years	
Fire Alarm*	Institution Wide	2/3 in 1988	42 Years	20 Years Max
		1/3 in 2008	12 Years	
HVAC*	All Buildings	1988	32 Years	20 Years
Switch Gear	Institution Wide	1988	32 Years	40 Years
Electrical Loop	Institution Wide	1988	32 Years	30 Years
Transformers*	Institution Wide	1988	32 Years	30 Years
Roofs	U1,U2,U3 & L Control	2012	8 Years	Build-up 30+ Years
	All Others	1988	32 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Camille Griffin Graham Correctional Institution

Opened in 1973  
11 Support Buildings  
6 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Gym	1975	45 Years	30 Years
	Kitchen	1984	36 Years	
	R/E	2007	13 Years	
Chillers Air Cooled	R&E Building	2005	15 Years	20 Years
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	2019	1 Year	20 Years Max
HVAC*	Gym	2015	5 Years	20 Years
	Dorms F1,F2,F3,&F4	2000	20 Years	
	SMU	Half Original/Half are new	45/0 Years	
	Kitchen	2010	10 Years	
	All Others	Unknown	25 Years Min	
Switch Gear	Institution Wide	1973	47 Years	40 Years
Electrical Loop	Institution Wide	2004	16 Years	30 Years
Transformers*	Institution Wide	2004	16 Years	30 Years
Roofs	Administration	1996	24 Years	Build-up 30+ years
	Multi-Purpose	2014	6 Years	Build-up 30+ years
	Welding	2008	12 Years	Build-up 30+ years
	SMU	2010	10 Years	Build-up 30+ years
	Dorms	2000	20 Years	Metal 50 years
	All Others	Unknown	Unknown	Build-up 30+ years Metal 50 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Campbell Pre-Release Center

Opened in 1975

3 Support Buildings (2 Support Building to be demolished in 2020)

3 Dorms (2 Dorms to be demolished in 2020, Remaining Dorm  
to be converted into Office Space)

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1975	To Be Replaced during Remodel	20 Years Max
HVAC*	All Others	To Be Demolished	To Be Demolished	20 Years
	Dorm	1990	To Be Replaced during Remodel	
	Parole Trailer	2013	7 Years	
Switch Gear	Institution Wide	1975	To Be Demolished	40 Years
Electrical Transmission	Institution Wide	1975	To Be Demolished	30 Years
Transformers*	Institution Wide	1975	To Be Demolished	30 Years
Roofs	D-Dorm	2017	3 Years	Metal 50 Years
	Parole Trailer	Unknown	Unknown	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Coastal Pre-Release Center

Opened in 1970 Closed in 2015

4 Support Buildings

2 Dorms (Converted into Office Space)

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1970	50 Years	20 Years Max
HVAC*	All Buildings	Unknown	25 Years Min	20 Years
Switch Gear	Institution Wide	1970	50 Years	40 Years
Electrical Transmission	Institution Wide	1970	50 Years	30 Years
Transformers*	Institution Wide	1970	50 Years	30 Years
Roofs	Administration B1&B2 Buildings E Building	2014 2014 2003	6 Years 6 Years 17 Years	Shingles 20 Years Shingles 20 Years Shingles 20 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.



## Evans Correctional Institution

Opened in 1989  
13 Support Buildings  
6 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	2009	11 Years	30 Years
	S-Building	2009	11 Years	
	S-Building	2009	11 Years	
	Kitchen	2007	13 Years	
Chillers Water Cooled	S-Building	2009	11 Years	25 Years
	S-Building	2019	1 Year	
Cooling Tower	S-Building	2109	1 Years	20 Years
	S-Building	2019	1 Year	
Fire Alarm*	Institution Wide	1989	31 Years	20 Years Max
HVAC*	All Buildings	1989	31 Years	20 Years
Switch Gear	Institution Wide	1989	31 Years	40 Years
Electrical Loop	Institution Wide	1989	31 Years	30 Years
Transformers*	Institution Wide	1989	31 Years	30 Years
Roofs	Cherokee Dorm	2003	17 Years	Metal 50 Years
	PI	1989	31 Years	Metal 50 Years
	All Others	1989	31 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Goodman Correctional Institution

Opened in 1970  
13 Support Buildings  
5 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Boiler Room	1981	Abandoned	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	2017	3 Years	20 Years Max
HVAC*	Dorm 5 & Admin	2007	13 Years	20 Years
	All Others	Unknown	25 Years Min	
Switch Gear	Institution Wide	1970	50 Years	40 Years
Electrical Transmission	Institution Wide	1970	50 Years	30 Years
Transformers*	Institution Wide	1970	50 Years	30 Years
Roofs	Chapel&Education	2006	14 Years	Shingles 20 Years
	Dorms F1,F2,F3,F4,	2003	17 Years	Shingles 20 Years
	Dorm F5	2007	13 Years	Metal 50 Years
	Cafeteria	2004	16 Years	Shingles 20 Years
	Maintenance	2005	15 Years	Shingles 20 Years
	Gate House	2005	15 Years	Shingles 20 Years
	Multipurpose	Unknown	Unknown	Metal 50 Years
	Laundry	Unknown	Unknown	Metal 50 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Kershaw Correctional Institution

Opened in 1997  
11 Support Buildings  
6 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	1995	25 Years	30 Years
	S-Building	1995	25 Years	
	S-Building	1995	25 Years	
	Kitchen	1995	25 Years	
Chillers Water Cooled	S-Building	1995	25 Years	25 Years
	S-Building	1995	25 Years	
Cooling Tower	S-Building	1995	25 Years	20 Years
	S-Building	1995	25 Years	
Fire Alarm*	Institution Wide	1996	24 Years	20 Years Max
HVAC*	Hickory Dorm	2003	17 Years	20 Years
	All Others	1997	23 Years	
Switch Gear	Institution Wide	1997	23 Years	40 Years
Electrical Loop	Institution Wide	1997	23 Years	30 Years
Transformers*	Institution Wide	1997	23 Years	30 Years
Roofs	Hickory Dorm	2003	17 Years	Metal 50 Years Build-up 30+ Years
	All Others	1997	23 Years	

\* Individual Air Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Kirkland Correctional Institution

Opened in 1975  
10 Support Buildings  
12 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Boiler House	2009	11 Years	30 Years
	Boiler House	In Progress	N/A	
	Dorm A1	2002	18 Years	
	Dorm A2	2002	18 Years	
	Dorm B1	2002	18 Years	
	Dorm B2	2003	17 Years	
	Dorm C1	2002	18 Years	
	Dorm C2	2002	18 Years	
	Dorm D	2002	18 Years	
	Dorm F1	2003	17 Years	
	Dorm F2	2003	17 Years	
Dorm F3	2003	17 Years		
Chillers Water Cooled	E Building	2011	9 Years	25 Years
Chillers Air Cooled	Dorm A1	2005	15 Years	20 Years
	Dorm A2	2005	15 Years	
	Dorm B1	2005	15 Years	
	Dorm B2	2005	15 Years	
	Dorm C1	2005	15 Years	
	Dorm C2	2005	15 Years	
	Dorm D	2005	15 Years	
	Dorm F1	2004	16 Years	
	Dorm F2	2004	16 Years	
	Dorm F3	2004	16 Years	
Cooling Tower	S-Building	2011	9 Years	20 Years
Fire Alarm*	Institution Wide	2010	10 Years	20 Years Max
HVAC*	Dorms F1,F2,&F3	2003	17 Years	20 Years
	Dorms A1,A2,B1,B2	2005	15 Years	
	Dorms C1,C2,&D	2005	15 Years	
	All Others	Unknown	25 Years Min	
Switch Gear	Institution Wide	1975	45 Years	40 Years
Electrical Loop	Institution Wide	2006	14 Years	30 Years
Transformers*	Institution Wide	2006	14 Years	30 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Kirkland Correctional Institution

Opened in 1975  
10 Support Buildings  
12 Dorms

Roofs	Dorms F1,F2,F3	2003	17 Years	Metal 50 Years
	Dorms A1,A2,B1,B2	2006	14 Years	Shingles 20 Years
	Dorms C1,C2,D	2006	14 Years	Shingles 20 Years
	Food Service	2006	14 Years	Build-up 30+ Years
	Infirmary	2014	6 Years	Build-up 30+ Years
	Super Max	1994	26 Years	Metal 50 Years
	Various Modulars	Unknown	Unknown	Metal 50 Years
	All Others	1975	45 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Leath Correctional Institution

Opened in 1991  
10 Support Buildings  
6 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	1991	29 Years	30 Years
	S-Building	1991	29 Years	
	Kitchen	1991	29 Years	
Chillers Water Cooled	S-Building	1991	29 Years	25 Years
	S-Building	1991	29 Years	
Chillers Air Cooled	Reynolds Dorm	2007	13 Years	20 Years
	Phoenix Dorm	2003	17 Years	
Cooling Tower	S-Building	2013	7 Years	20 Years
	S-Building	2013	7 Years	
Fire Alarm*	Institution Wide 5 Panels	1991	29 Years	20 Years Max
		2007	13 Years	
HVAC*	All Buildings	1991	29 Years	20 Years
Switch Gear	Institution Wide	1991	29 Years	40 Years
Electrical Loop	Institution Wide	1991	29 Years	30 Years
Transformers*	Institution Wide	1991	29 Years	30 Years
Roofs	Phoenix Dorm	2003	17 Years	Build-up 30+ Years Metal 50 Years Build-up 30+ Years
	Reynolds Dorm	2008	13 Years	
	All Others	1991	29 Years	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Lee Correctional Institution

Opened in 1993  
12 Support Buildings  
8 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	1994	26 Years	30 Years
	S-Building	1994	26 Years	
	Kitchen	1994	26 Years	
Chillers Water Cooled	S-Building	1993	27 Years	25 Years
	S-Building	2003	17 Years	
Cooling Tower	S-Building	1994	26 Years	20 Years
	S-Building	1994	26 Years	
Fire Alarm*	Institution Wide	1992	28 Years	20 Years Max
HVAC*	All Buildings	1993	27 Years	20 Years
Switch Gear	Institution Wide 1 Cabinet	1993	27 Years	40 Years
		2014	6 Years	
Electrical Loop	Institution Wide	1993	27 Years	30 Years
Transformers*	Institution Wide	1993	27 Years	30 Years
Roofs	Dorm F5	2003	17 Years	Metal 50 Years Build-up 30+ Years
	All Others	1993	27 Years	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Leiber Correctional Institution

Opened in 1986  
19 Support Buildings  
7 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	S-Building	2009	11 Years	30 Years
	S-Building	2009	11 Years	
	S-Building	2009	11 Years	
	Kitchen	2012	8 Years	
	Wando	2003	17 Years	
Chillers Water Cooled	S-Building	2009	11 Years	25 Years
	S-Building	In Progress	0 Years	
Chillers Air Cooled	Wando	2003	17	20 Years
Cooling Tower	S-Building	2019	1 Year	20 Years
	S-Building	2019	1 Year	
Fire Alarm*	Institution Wide	2016	4 Years	20 Years Max
HVAC*	Dorms F1,F2,F3,&F4	2015	5 Years	20 Years
	Dorms U1,U2 & L Control	2017	3 Years	
	All Others	1986	34 Years	
Switch Gear	Institution Wide	1986	34 Years	40 Years
Electrical Loop	Institution Wide	1986 (In Progress)	34 Years	30 Years
Transformers*	Institution Wide	1986 (In Progress)	34 Years	30 Years
Roofs	U1,U2,L Control	2019	1 Years	Build-up 30+ Years
	All Others (Replacement in Progress)	1986	34 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.



## Livesay A Pre-Release

Opened in 1982

6 Support Buildings

3 Dorms

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide Visitation	1982 2019	38 Years 1 Year	20 Years Max
HVAC*	Dorms	Unknown	N/A	20 Years
Switch Gear	Institution Wide	1982	38 Years	40 Years
Electrical Transmission	Institution Wide	1982	38 Years	30 Years
Transformers*	Institution Wide	1982	38 Years	30 Years
Roofs	D Building E Building All Others	2017 2009 Unknown	3 Years 11 Years Unkown	Shingles 20 Years Shingles 20 Years Metal 50 Years & Shingles 20 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Livesay B Pre-Release Center

Opened in 1973  
15 Support Buildings  
5 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide Dorm 5	1973 2005	47 Years 15 Years	20 Years Max
HVAC*	All Buildings	Unknown	N/A	N/A
Switch Gear	Institution Wide	1973	47 Years	40 Years
Electrical Transmission	Institution Wide	1973	47 Years	30 Years
Transformers*	Institution Wide	1973	47 Years	30 Years
Roofs	Dorm F5 All Others	2007 Unknown	13 Years Unkown	Metal 50 Years Metal 50 Years & Shingles 20 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## MacDougall Correctional Institution

Opened in 1966  
13 Support Buildings  
4 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Kitchen	1995	25 Years	30 Years
	Dorm 1	2011	9 Years	
	Dorm 2	2011	9 Years	
	Dorm 3	2011	9 Years	
	Palmer	2004	16 Years	
Chillers Air Cooled	Kitchen	2019	1 Year	20 Years
	Dorm F-1	2011	9 Years	
	Dorm F-2	2011	9 Years	
	Dorm F-3	2011	9 Years	
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1982	38 Years	20 Years Max
	5 Panels	2005	15 Years	20 Years Max
HVAC*	Dorms F-1, F-2, & F3	2011	9 Years	20 Years
	All Others	UnKnown	N/A	
Switch Gear	Institution Wide	1966	54 Years	40 Years
Electrical Loop	Institution Wide	1966	54 Years	30 Years
	Partial replacement	2008	12 Years	
Transformers*	Institution Wide	1966	54 Years	30 Years
	Partial Replacement	2008	12 Years	
Roofs	Dorm F1,	2020	0 Years	Shingles 20 Years Build-up 30+ Years Build-up 30+ Years Metal 50 Years Metal 50 Years All of the Above
	E Building	In Progress	0 Years	
	A Building	2010	10 Years	
	G Building	2016	4 Years	
	C Building	2010	10 Years	
	All Others	Unknown	Unknown	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Manning Correctional Institution

Opened in 1962

11 Support Buildings

3 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Boiler House	In Progress	0 Years	30 Years
	Boiler House	In Progress	0 Years	
	Kitchen	1962	58 Years	
	J Building	1991	29 Years	
	Trustee	1972	48 Years	
Chillers Air Cooled	R Building	1993	27 Years	20 Years
Cooling Tower	S-Building			
Fire Alarm*	Institution Wide	1984	36 Years	20 Year Max
HVAC*	R Building	1991	29 Years	20 Years
	J Building	2009	11 Years	
	S Building	1991	29 Years	
	All Others	Unknown	25 Years Min	
Switch Gear	Institution Wide	1963	57 Years	40 Years
Electrical Loop	Institution Wide	1963	57 Years	30 Years
Transformers*	Institution Wide	1963	57 Years	30 Years
Roofs	J Building	2008	12 Years	Metal 50 Years
	R Building	2016	4 Years	Metal 50 Years
	S Building	2015	5 Years	Metal 50 Years
	All Others	1962	58 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## McCormick Correctional Institution

Opened in 1987  
14 Support Buildings  
5 Dorms

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	S-Building	2007	13 Years	30 Years
	S-Building	2006	14 Years	
	Kitchen	2016	4 Years	
Chillers Water Cooled	S-Building	2009	11 Years	25 Years
	S-Building	2009	11 Years	
Cooling Tower	S-Building	2009	11 Years	20 Years
	S-Building	2009	11 Years	
Fire Alarm*	Institution Wide	1987	33 Years	20 Years Max
HVAC*	All Others	1987	33 Years	20 Years
Switch Gear	Institution Wide	1987	33 Years	40 Years
Electrical Loop	Institution Wide	1987	33 Years	30 Years
Transformers*	Institution Wide	2017	3 Years	30 Years
Roofs	All Buildings	1987	33 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Palmer Pre-Release Center

Opened in 1975  
4 Support Buildings  
2 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Boiler Room	1985	35 Years	30 Years
Chillers Air Cooled	Kitchen	2008	12 Years	20 Years
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1980	40 Years	20 Year Max
HVAC*	All Buildings	UnKnown	25 Years Min	20 Years
Switch Gear	Institution Wide	1975	45 Years	40 Years
Electrical Transmission	Institution Wide	1975	45 Years	30 Years
Transformers*	Institution Wide	1975	45 Years	30 Years
Roofs	A Building B,C,D Buildings	2004 2009	16 Years 11 Years	Build-up 30+ Years Shingles 20 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Perry Correctional Institution

Opened in 1981  
13 Support Buildings  
8 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Kitchen	1980	40 Years	30 Years
	Dorm Q1	In Progress	0 Years	
	Dorm Q2	2006	14 Years	
	Dorm Q3	2006	14 Years	
	Dorm Q4	2006	14 Years	
Chillers	None	N/A	N/A	N/A
Cooling Tower	S-Building	N/A	N/A	N/A
Fire Alarm*	Institution Wide	2017	3 Years	20 Year Max
HVAC*	Support Buildings	1981	39 Years	20 Years
	All Dorms	AC added in 2004 (added coils and boilers) but original Air-handlers remain. <b>Replacement on 1 Dorm In Progress</b>	16 Years	
Switch Gear	Institution Wide	1981	39 Years	40 Years
Electrical Loop	Institution Wide	1981	39 Years	30 Years
Transformers*	Institution Wide	1981	39 Years	30 Years
Roofs	A,B,C Buildings	2002	18 Years	Build-up 30+ Years
	All Others	2012	8 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Ridgeland Correctional Institution

Opened in 1995  
15 Support Buildings  
5 Dorms

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	Kitchen	1993	27 Years	30 Years
	S-Building	1993	27 Years	
	S-Building	1993	27 Years	
	S-Building	1993	27 Years	
	S-Building	2012	8 Years	
	S-Building	2017	3 Years	
	S-Building	2018	2 Years	
Chillers Water Cooled	S-Building	1995	25 Years	25 Years
	S-Building	2012	8 Years	
Cooling Tower	S-Building	1993	27 Years	20 Years
Fire Alarm*	Institution Wide	2011	9 Years	20 Year Max
HVAC*	All Buildings	1995	25 Years	20 Years
Switch Gear	Institution Wide	1995	25 Years	40 Years
Electrical Loop	Institution Wide	1995	25 Years	30 Years
Transformers*	Institution Wide	1995	25 Years	30 Years
Roofs	All Buildings	1995	25 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.



## Trenton Correctional Institution

Opened in 1995  
12 Support Buildings  
4 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Kitchen	1992	28 Years	30 Years
	Visitation	1992	28 Years	
	Education	1992	28 Years	
	Administration	1992	28 Years	
	PI	1992	28 Years	
	Dorm 1	1992	28 Years	
	Dorm 2	1992	28 Years	
	Dorm 3	1992	28 Years	
Chillers Air Cooled	Dorm 1	2017	3 Years	20 Years
	Dorm 2	2017	3 Years	
	Dorm 3	2012	8 Years	
	Canteen	In Progress	0 Years	
	Visitation	In Progress	0 Years	
	Administration	2017	3 Years	
	Kitchen	2017	3 Years	
	Education	2017	3 Years	
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	2009	11 Years	20 Years Max
HVAC*	All Buildings	1995	25 Years	20 Years
Switch Gear	Institution Wide	1995	25 Years	40 Years
Electrical Loop	Institution Wide	1995	25 Years	30 Years
Transformers*	Institution Wide	1995	25 Years	30 Years
Roofs	All Buildings	1995	25 Years	Metal 50 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Turbeville Correctional Institution

Opened in 1994  
15 Support Buildings  
7 Dorms

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	Kitchen	1993	27 Years	30 Years
	Santee Dorm	2003	17 Years	
	Santee Dorm	2003	17 Years	
	Maintenance	2018	2 Years	
	Maintenance	2018	2 Years	
	Maintenance	2017	3 Years	
	Maintenance	1993	27 Years	
	Maintenance	1993	27 Years	
Chillers Water Cooled	S-Building	1994	26 Year	20 Years
	S-Building	2015	5 Years	
Cooling Tower	S-Building	1994	26 Years	20 Years
Fire Alarm*	Institution Wide	2006	14 Years	20 Years Max
HVAC*	All Buildings	1994	26 Years	20 Years
Switch Gear	Institution Wide	1994	26 Years	40 Years
Electrical Loop	Institution Wide	1994	26 Years	30 Years
Transformers*	Institution Wide	1994	26 Years	30 Years
Roofs	Dorms F5,&F6	2003	17 Years	Metal 50 Years Build-up 30+ Years
	All Others	1994	26 Years	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Tyger River Correctional Institution

Opened in 1980 Upper 1983 Lower

26 Support Buildings

12 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Lower Kitchen	1982	38 Years	30 Years
	Upper Kitchen	1997	23 Years	
	PI 1	1997	23 Years	
	Paint Booth	2008	10 Years	
	Tool Room	2018	2 Years	
	Dorm 1	2003 (to be removed 2020)	17 Years	
	Dorm 2	2003 (to be removed 2020)	17 Years	
	Dorm 3	2003 (to be removed 2020)	17 Years	
	Dorm 4	2003 (to be removed 2020)	17 Years	
	Dorm 5	2003 (to be removed 2020)	17 Years	
	Dorm 6	2003 (to be removed 2020)	17 Years	
	Dorm 7	2003 (to be removed 2020)	17 Years	
	Dorm 8	2003 (to be removed 2020)	17 Years	
Dorm 9	2003 (to be removed 2020)	17 Years		
Dorm 10	2003 (to be removed 2020)	17 Years		
Chillers	None	N/A	N/A	N/A
Cooling Tower	Lower Yard	2013	7 Years	20 Years
	Upper Yard	2003	17 Years	
Fire Alarm*	Lower Yard	1983	37 Years	20 Years Max
	Upper Yard	1980	40 Years	20 Years Max
HVAC*	Support Buildings	1980	40 Years	20 Years
	All Dorms	AC added in 2003 (added coils and boilers) but original Air-handlers remain. <b>Replacement In Progress</b>	17 Years	
Switch Gear	Lower Yard	1983	37 Years	40 Years
	Upper Yard	1980	40 Years	
Electrical Loop	Lower Yard	1983	37 Years	30 Years
	Upper Yard	1980	40 Years	
Transformers*	Lower Yard	1983	37 Years	30 Years
	Upper Yard	1980	40 Years	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

# Tyger River Correctional Institution

Opened in 1980 Upper 1983 Lower

26 Support Buildings

12 Dorms

Roofs	Upper Yard Buildings	2004	16 Years	Build-up 30+ Years
	Lower Yard Buildings	1983	37 Years	Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Walden Correctional Institution

Opened in 1950 Closed in 2016

9 Support Buildings

3 Dorms (Dorms Vacant or Converted to Office Space)

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Kitchen	1950 (No Longer in Use)	70 Years	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1978	42 Years	20 Years Max
HVAC*	Building 3 All Other	2005 UnKnown	15 Years 25 Years Min	20 Years
Switch Gear	Institution Wide	1950	70 Years	40 Years
Electrical Transmission	Institution	1950	70 Years	30 Years
Transformers*	Institution Wide	1950	70 Years	30 Years
Roofs	A,I Buildings F Building E Building C Building H Building All Others	2010 2016 2011 2014 2005 Unknown	10 Years 4 Years 9 Years 6 Years 15 Years Unkown	Shingles 20 Years Hydro-Stop Over Metal Build-up 30+ Years Metal 50 Years Metal 50 Years Build-up 30+ Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Wateree River Correctional Institution

Opened in 1892  
15 Support Buildings  
6 Dorms

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Boiler House	2019	1 Year	30 Years
Chillers Air Cooled	Kitchen	2016	4 Years	20 Years
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1986	34 Years	20 Years Max
HVAC*	Dorm 3	2010	10 Years	20 Years
	All Others	Unknown	25 Years Min	N/A
Switch Gear	Institution Wide	1970 (In Progress)	50 Years	40 Years
Electrical Loop	Institution Wide	1970 (In Progress)	50 Years	30 Years
Transformers*	Institution Wide	1970 (In Progress)	50 Years	30 Years
Roofs	Dorm 1	2017	3 Years	Build-up 30+ Years
	Dorm 2	2017	3 Years	Build-up 30+ Years
	Kitchen	2012	8 Years	Shingles 20 Years
	Dorm 3	2008	12 Years	Metal 50 Years
	Dorm 4	2010	10 Years	Shingles 20 Years
	Chapel	2009	11 Years	Shingles 20 Years
	All Others	Unknown	Unknown	

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Watkins Pre-Release Center

Opened in 1964 Closed in 2012

5 Support Buildings

4 Dorms (Dorms converted to Office Space)

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	B Dorm C Dorm	2005 2016	15 Years 4 Years	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Institution Wide	1983	37 Years	20 Years Max
HVAC*	All Buildings	Unknown	20 Years Min	20 Years
Switch Gear	Institution Wide	1964	56 Years	40 Years
Electrical Transmission	Institution Wide	1964	56 Years	30 Years
Transformers*	Institution Wide	1964	56 Years	30 Years
Roofs	All Buildings	2009	11 Years	Shingles 20 Years

\* Individual Air-Handlers, Transformers, or Fire Alarm components may have been replaced individually due to inability to repair as work-orders.

## Headquarters Building

300 Building Built in 1968

100 and 200 Building Built in 1973

2 Buildings Connected by Breezeway

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	None	N/A	N/A	N/A
Chillers	100 Building	2016	4 Years	25 Years
Cooling Tower	100 Building	2013	7 Years	20 Years
Fire Alarm*	All Buildings	1973	47 Years	20 Years Max
HVAC*	300 Building	2010	10 Years	20 Years
	100 and 200 Building	1973	47 Years	
Switch Gear	300 Building	1968	52 Years	40 Years
	100 and 200 Building	1973	47 Years	
Electrical Transmission	300 Building	1968	52 Years	30 Years
	100 and 200 Building	1973	47 Years	
Transformers*	300 Building	1968	52 Years	30 Years
	100 and 200 Building	1973	47 Years	
Roofs	300 Building	2010	10 Years	Build-up 30 Years Metal 50 Years
	100 and 200 Buildings	1994	26 Years	

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.



## Training Academy

Built in 1988

8 Buildings

Annex 3 Buildings

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Training Academy Annex	2007 1988	13 Years 32 Years	20 Years Max
HVAC*	Training Academy Annex	Unknown Unknown	10 Years Max 10 Years Max	20 Years
Switch Gear	Training Academy Annex	1988	32 Years	40 Years
Electrical Transmission	Training Academy Annex	1988	32 Years	30 Years
Transformers*	Training Academy Annex	1988	32 Years	30 Years
Roofs	Training Academy Annex	1988 Unknown	32 Years Unknown	Metal 50 Years Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Security Buildings

Built in 1992 and 2010

2 Buildings

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Building at Walden Other	2010 2018	10 Years 2 Years	20 Years Max
HVAC*	Building at Walden Other	2010 2015	10 Years 5 Years	20 Years
Switch Gear	Building at Walden Other	2010 1992	10 Years 28 Years	40 Years
Electrical Transmission	Building at Walden Other	2010 1992	10 Years 28 Years	30 Years
Transformers*	Building at Walden Other	2010 1992	10 Years 28 Years	30 Years
Roofs	Building at Walden Other	2010 1992	10 Years 28 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Central Office Annex

Built in 1998

1 Building

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	Annex	1998	22 Years	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Annex	2003	17 Years	20 Years Max
HVAC*	Annex	1998	22 Years	20 Years
Switch Gear	Annex	1998	22 Years	40 Years
Electrical Transmission	Annex	1998	22 Years	30 Years
Transformers*	Annex	1998	22 Years	30 Years
Roofs	Annex	1998	22 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Food Service Warehouse

Built in 1974

3 Buildings

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	None	N/A	N/A	N/A
HVAC*	None	N/A	N/A	N/A
Switch Gear	All Buildings	1974	46 Years	40 Years
Electrical Transmission	All Buildings	1974	46 Years	30 Years
Transformers*	All Buildings	1974	46 Years	30 Years
Roofs	All Buildings	Unknown Repaired with Hydro-stop in 1999	46 Years	Metal 50 Years/Build-up 30 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Transportation

Built in 1995

3 Buildings

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	Paint Booth	1995	25 Years	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	None	N/A	N/A	N/A
HVAC*	1 Building	1995	25 Years	20 Years
Switch Gear	All Buildings	1995	25 Years	40 Years
Electrical Transmission	All Buildings	1995	25 Years	30 Years
Transformers*	All Buildings	1995	25 Years	30 Years
Roofs	All Buildings	1995	25 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## PI Warehouse/Print Shop

Built in 1988

3 Buildings

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	All Buildings	1999	21 Years	20 Years Max
HVAC*	All Buildings	1988	32 Years	20 Years
Switch Gear	All Buildings	1988 1997	32 Years	40 Years
Electrical Transmission	All Buildings	1988	32 Years	30 Years
Transformers*	All Buildings	1988	32 Years	30 Years
Roofs	All Buildings	N/A	32 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Facilities Management

2 Buildings Built in 1969  
 1 Building Built in 1972  
 1 Building built in 2010  
 3 Building Built in mid 80's  
 7 Buildings Total

Component	Location	Year Installed	Age	Expected Life of Component
Boilers	Sheet Metal Paint Booth	1997 In Progress 2019	23 Years 1 Year	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	2 Office Buildings Only	2018	2 Years	20 Years Max
HVAC*	Office Building	Unknown	20 Years	20 Years
	2 Quonset Huts Offices Only	Unknown	10 Years Max	
	Shop Building Offices Only	Unknown	25 Years Max	
	Sheet Metal Building Offices Only	Unknown	5 Years Max	
	Elec. Shop	2010	10 Years	
Switch Gear	Office Building	1972	48 Years	40 Years
	2 Quonset Huts	1969	51 Years	
	Shop Building	Mid 80's	35 Years Max	
	Sheet Metal Building	Mid 80's Update In Progress	35 Years Max	
	Elec. Shop	2010		
Electrical Transmission	Office Building	1972	48 Years	30 Years
	2 Quonset Huts	1969	51 Years	
	Shop Building	Mid 80's	35 Years Max	
	Sheet Metal Building	Mid 80's	35 Years Max	
	Elec. Shop	2010	10 Years	
Transformers*	Office Building	1972	48 Years	30 Years
	2 Quonset Huts	1969	51 Years	
	Shop Building	Mid 80's	35 Years Max	
	Sheet Metal Building	Mid 80's	35 Years Max	
	Elec. Shop	2010	10 Years	
Roofs	Office Building	1995	25 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Facilities Management

2 Buildings Built in 1969

1 Building Built in 1972

1 Building built in 2010

3 Building Built in mid 80's

7 Buildings Total

	2 Quonset Huts	1969	51 Years	
	Shop Buildings	Mid 80's	35 Years	
	Sheet Metal Building	Mid 80's	35 Years	
	Elec. Shop	2010	10 Years	

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.



## Bus Terminal

Built in 1993

1 Building

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Terminal (1 Pull Station)	1993	27 Years	20 Years Max
HVAC*	Terminal (swamp cooler)	2020	0 Years	20 Years
Switch Gear	Terminal	1993	27 Years	40 Years
Electrical Transmission	Terminal	1993	27 Years	30 Years
Transformers*	Terminal	1993	27 Years	30 Years
Roofs	Terminal	1993	27 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Support Services

Built in 1988

1 Building

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	Support Services	1988	32 Years	20 Years Max
HVAC*	Support Services	1988	32 to 10 Years	20 Years
Switch Gear	Support Services	1988	32 Years	40 Years
Electrical Transmission	Support Services	1988	32 Years	30 Years
Transformers*	Support Services	1988	32 Years	30 Years
Roofs	Support Services	1988	32 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Recruiting

Built in 1998

1 Building

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	N/A
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	None	N/A	N/A	20 Years Max
HVAC*	Recruiting	2019	1 Year	20 Years
Switch Gear	Recruiting	1998	22 Years	40 Years
Electrical Transmission	Recruiting	1998	22 Years	30 Years
Transformers*	Recruiting	1998	22 Years	30 Years
Roofs	Recruiting	1998	22 Years	Metal 50 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.

## Directors House/Education

Built in 1974

1 Building

<b>Component</b>	<b>Location</b>	<b>Year Installed</b>	<b>Age</b>	<b>Expected Life of Component</b>
Boilers	None	N/A	N/A	30 Years
Chillers	None	N/A	N/A	N/A
Cooling Tower	None	N/A	N/A	N/A
Fire Alarm*	House	Mid 80's	35 Years	20 Years Max
HVAC*	House	2015	5 years	20 Years
Switch Gear	1974	1974	46 Years	40 Years
Electrical Transmission	None	N/A	N/A	N/A
Transformers*	None	N/A	N/A	N/A
Roofs	House	2019	1 Year	Shingles 30 Years

\* Individual Air- Handlers, Transformers, or Fire Alarm Components may have been replaced individually due to inability to repair as work-orders.