

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	NON-ARRA			NON-ARRA		
						JCI	NORESCO	JCI	NORESCO	JCI	NORESCO
20	Lighting	JCI ARRA	ACI	ACI 4.1.1 Lighting Retrofits	\$82,199.41	\$82,199.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39	Lighting	JCI ARRA	ACI	ACI 4.2 Lighting Occupancy Controls	\$21,372.30	\$21,372.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
31	Lighting	JCI ARRA	Agency Administration	INS 4.1.1 Lighting Retrofits	\$121,859.96	\$121,859.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
46	Lighting	JCI ARRA	Agency Administration	INS 4.2 Lighting Occupancy Controls	\$33,879.48	\$33,879.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
342	Lighting	NOR ARRA	Alex City CBF	Lighting	\$25,061.15	\$0.00	\$25,061.15	\$0.00	\$0.00	\$0.00	\$0.00
21	Lighting	JCI ARRA	Atmore CBF/CWC	ATM 4.1.1 Lighting Retrofits	\$26,580.40	\$26,580.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
40	Lighting	JCI ARRA	Atmore CBF/CWC	ATM 4.2 Lighting Occupancy Controls	\$5,620.36	\$5,620.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
348	Lighting	NOR ARRA	Birmingham CBF	Lighting	\$29,276.91	\$0.00	\$29,276.91	\$0.00	\$0.00	\$0.00	\$0.00
22	Lighting	JCI ARRA	Bibb County CF	BIB 4.1.1 Lighting Retrofits	\$393,812.04	\$393,812.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
41	Lighting	JCI ARRA	Bibb County CF	BIB 4.2 Lighting Occupancy Controls	\$93,284.37	\$93,284.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
357	Lighting	NOR ARRA	Bullock CF	Lighting	\$736,228.23	\$0.00	\$736,228.23	\$0.00	\$0.00	\$0.00	\$0.00
23	Lighting	JCI ARRA	Camden CBF	CAM 4.1.1 Lighting Retrofits	\$15,713.31	\$15,713.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
42	Lighting	JCI ARRA	Camden CBF	CAM 4.2 Lighting Occupancy Controls	\$3,452.80	\$3,452.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
28	Lighting	JCI ARRA	State Cattle Ranch	FAR 4.1.1 Lighting Retrofits	\$24,871.92	\$24,871.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	Lighting	JCI ARRA	Childersburg CBF/CWC	CHL 4.1.1 Lighting Retrofits	\$40,908.82	\$40,908.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
43	Lighting	JCI ARRA	Childersburg CBF/CWC	CHL 4.2 Lighting Occupancy Controls	\$9,197.68	\$9,197.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32	Lighting	JCI ARRA	J.O. DAVIS	JOD 4.1.1 Lighting Retrofits	\$26,019.94	\$26,019.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
365	Lighting	NOR ARRA	Decatur CBF	Lighting	\$65,598.87	\$0.00	\$65,598.87	\$0.00	\$0.00	\$0.00	\$0.00
374	Lighting	NOR ARRA	Donaldson CF	Lighting	\$758,946.20	\$0.00	\$758,946.20	\$0.00	\$0.00	\$0.00	\$0.00
25	Lighting	JCI ARRA	Draper CF	DRA 4.1.1 Lighting Retrofits	\$148,521.07	\$148,521.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
27	Lighting	JCI ARRA	Elba CBF	ELB 4.1.1 Lighting Retrofits	\$17,235.50	\$17,235.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
390	Lighting	NOR ARRA	Elmore CF	Lighting	\$134,404.24	\$0.00	\$134,404.24	\$0.00	\$0.00	\$0.00	\$0.00
384	Lighting	NOR ARRA	Easterling CF	Lighting	\$263,110.92	\$0.00	\$263,110.92	\$0.00	\$0.00	\$0.00	\$0.00
26	Lighting	JCI ARRA	East Thomas Residential Annex	EAT 4.1.1 Lighting Retrofits	\$22,822.07	\$22,822.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
44	Lighting	JCI ARRA	East Thomas Residential Annex	EAT 4.2 Lighting Occupancy Controls	\$7,788.37	\$7,788.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
52	Lighting	JCI ARRA	East Thomas Residential Annex	EAT 4.3 Lighting Retrofits and Redesign (Exterior)	\$33.38	\$33.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
30	Lighting	JCI ARRA	Frank Lee WR	FLW 4.1.1 Lighting Retrofits	\$25,829.38	\$25,829.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
29	Lighting	JCI ARRA	Fountain CF	FTN 4.1.1 Lighting Retrofits	\$156,945.18	\$156,945.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
45	Lighting	JCI ARRA	Fountain CF	FTN 4.2 Lighting Occupancy Controls	\$42,696.04	\$42,696.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
398	Lighting	NOR ARRA	Hamilton CBF	Lighting	\$27,312.42	\$0.00	\$27,312.42	\$0.00	\$0.00	\$0.00	\$0.00
404	Lighting	NOR ARRA	Hamilton CBF	Lighting	\$25,551.53	\$0.00	\$25,551.53	\$0.00	\$0.00	\$0.00	\$0.00
410	Lighting	NOR ARRA	Holman CF	Lighting	\$175,262.17	\$0.00	\$175,262.17	\$0.00	\$0.00	\$0.00	\$0.00
418	Lighting	NOR ARRA	Kilby CF	Lighting	\$221,772.62	\$0.00	\$221,772.62	\$0.00	\$0.00	\$0.00	\$0.00
33	Lighting	JCI ARRA	Limestone CF	LIM 4.1.1 Lighting Retrofits	\$440,751.63	\$440,751.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
47	Lighting	JCI ARRA	Limestone CF	LIM 4.2 Lighting Occupancy Controls	\$37,065.79	\$37,065.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
53	Lighting	JCI ARRA	Limestone CF	LIM 4.3 Lighting Retrofits and Redesign (Exterior)	\$391.66	\$391.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
428	Lighting	NOR ARRA	Loxley CBF/CWC	Lighting	\$67,823.94	\$0.00	\$67,823.94	\$0.00	\$0.00	\$0.00	\$0.00
34	Lighting	JCI ARRA	Mobile CBF	MOB 4.1.1 Lighting Retrofits	\$22,608.48	\$22,608.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
48	Lighting	JCI ARRA	Mobile CBF	MOB 4.2 Lighting Occupancy Controls	\$1,386.59	\$1,386.59	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
35	Lighting	JCI ARRA	Montgomery Womens Facility	MNT 4.1.1 Lighting Retrofits	\$26,220.34	\$26,220.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
49	Lighting	JCI ARRA	Montgomery Womens Facility	MNT 4.2 Lighting Occupancy Controls	\$1,289.51	\$1,289.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
434	Lighting	NOR ARRA	Red Eagle Honor Farm	Lighting	\$41,349.34	\$0.00	\$41,349.34	\$0.00	\$0.00	\$0.00	\$0.00
37	Lighting	JCI ARRA	Staton CF	STA 4.1.1 Lighting Retrofits	\$164,404.83	\$164,404.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
54	Lighting	JCI ARRA	Staton CF	STA 4.3.1 Lighting Retrofits and Redesign (Exterior)	\$350.36	\$350.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
55	Lighting	JCI ARRA	Staton CF	STA 4.3 Lighting Retrofits and Redesign (Exterior)	\$472.40	\$472.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
36	Lighting	JCI ARRA	St Clair CF	STC 4.1.1 Lighting Retrofits	\$660,610.07	\$660,610.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
50	Lighting	JCI ARRA	St Clair CF	STC 4.2 Lighting Occupancy Controls	\$81,734.79	\$81,734.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
439	Lighting	NOR ARRA	Tutwiler Prison for Women	Lighting	\$16,098.72	\$0.00	\$16,098.72	\$0.00	\$0.00	\$0.00	\$0.00
446	Lighting	NOR ARRA	Tutwiler Prison for Women	Lighting	\$132,595.90	\$0.00	\$132,595.90	\$0.00	\$0.00	\$0.00	\$0.00
38	Lighting	JCI ARRA	Ventress CF	VNT 4.1.1 Lighting Retrofits	\$293,442.19	\$293,442.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
51	Lighting	JCI ARRA	Ventress CF	VNT 4.2 Lighting Occupancy Controls	\$37,399.48	\$37,399.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
340	Kitchen Equipment/Systems	NOR ARRA	Alex City CBF	Ice Machines	\$3,497.00	\$0.00	\$3,497.00	\$0.00	\$0.00	\$0.00	\$0.00

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67	Kitchen Equipment/Systems	JCI ARRA	Atmore CBF/CWC	ATM 6.3 Kitchen - Kitchen Hood Controls	\$2,385.99		\$2,385.99	\$0.00	\$0.00
346	Kitchen Equipment/Systems	NOR ARRA	Birmingham CBF	Ice Machines	\$1,165.70	\$0.00	\$1,165.70	\$0.00	\$0.00
56	Kitchen Equipment/Systems	JCI ARRA	Bibb County CF	BIB 6.0 Kitchen Equipment Replacement	\$151,124.47	\$151,124.47	\$0.00	\$0.00	\$0.00
146	Kitchen Equipment/Systems	JCI nonARRA	Bibb County CF	Only (1) of the (3) walk-in coolers have strip curtains. Strip curtains minimize cooling requirements when doors are opened. The scope of this ECM is to install strip curtains on the other (2) walk-in coolers.	\$4,616.04	\$0.00	\$0.00	\$4,616.04	\$0.00
354	Kitchen Equipment/Systems	NOR ARRA	Bullock CF	Ice Machines	\$3,497.00	\$0.00	\$3,497.00	\$0.00	\$0.00
355	Kitchen Equipment/Systems	NOR ARRA	Bullock CF	Kitchen Hood Controls	\$159,375.90	\$0.00	\$159,375.90	\$0.00	\$0.00
57	Kitchen Equipment/Systems	JCI ARRA	Childersburg CBF/CWC	CHL 6.0 Kitchen Equipment Replacement	\$60,382.45	\$60,382.45	\$0.00	\$0.00	\$0.00
363	Kitchen Equipment/Systems	NOR ARRA	Decatur CBF	Ice Machines	\$2,333.20	\$0.00	\$2,333.20	\$0.00	\$0.00
373	Kitchen Equipment/Systems	NOR ARRA	Donaldson CF	Ice Machines	\$3,497.00	\$0.00	\$3,497.00	\$0.00	\$0.00
59	Kitchen Equipment/Systems	JCI ARRA	Draper CF	DRA 6.1 Kitchen Equipment Replacement	\$120,654.45	\$120,654.45	\$0.00	\$0.00	\$0.00
70	Kitchen Equipment/Systems	JCI ARRA	Draper CF	DRA 6.4 Dishwasher Replacement	\$84,929.71	\$84,929.71	\$0.00	\$0.00	\$0.00
60	Kitchen Equipment/Systems	JCI ARRA	Elba CBF	ELB 6.1 Kitchen Equipment Replacement	\$10,029.42	\$10,029.42	\$0.00	\$0.00	\$0.00
68	Kitchen Equipment/Systems	JCI ARRA	Elba CBF	ELB 6.3 Kitchen Hood Controls	\$2,211.30	\$2,211.30	\$0.00	\$0.00	\$0.00
388	Kitchen Equipment/Systems	NOR ARRA	Elmore CF	Ice Machines	\$9,327.10	\$0.00	\$9,327.10	\$0.00	\$0.00
381	Kitchen Equipment/Systems	NOR ARRA	Easterling CF	Ice Machines	\$10,490.80	\$0.00	\$10,490.80	\$0.00	\$0.00
382	Kitchen Equipment/Systems	NOR ARRA	Easterling CF	Kitchen Hood Controls	\$63,748.80	\$0.00	\$63,748.80	\$0.00	\$0.00
61	Kitchen Equipment/Systems	JCI ARRA	Frank Lee WR	FLW 6.1 Kitchen Equipment Replacement	\$9,954.90	\$9,954.90	\$0.00	\$0.00	\$0.00
71	Kitchen Equipment/Systems	JCI ARRA	Frank Lee WR	FLW 6.4 Dishwasher Replacement	\$62,065.17	\$62,065.17	\$0.00	\$0.00	\$0.00
74	Kitchen Equipment/Systems	JCI ARRA	Frank Lee WR	FLW 6.8 Main Building - Strip Curtains	\$3,905.82	\$3,905.82	\$0.00	\$0.00	\$0.00
58	Kitchen Equipment/Systems	JCI ARRA	Fountain CF	FTN 6.0 Kitchen Equipment Replacement	\$216,788.05	\$216,788.05	\$0.00	\$0.00	\$0.00
395	Kitchen Equipment/Systems	NOR ARRA	Hamilton CBF	Ice Machines	\$2,333.20	\$0.00	\$2,333.20	\$0.00	\$0.00
396	Kitchen Equipment/Systems	NOR ARRA	Hamilton CBF	Kitchen Hood Controls	\$62,888.50	\$0.00	\$62,888.50	\$0.00	\$0.00
403	Kitchen Equipment/Systems	NOR ARRA	Hamilton CBF	Ice Machines	\$2,333.20	\$0.00	\$2,333.20	\$0.00	\$0.00
407	Kitchen Equipment/Systems	NOR ARRA	Holman CF	Ice Machines	\$3,497.00	\$0.00	\$3,497.00	\$0.00	\$0.00
408	Kitchen Equipment/Systems	NOR ARRA	Holman CF	Kitchen Hood Controls	\$81,488.70	\$0.00	\$81,488.70	\$0.00	\$0.00
414	Kitchen Equipment/Systems	NOR ARRA	Kilby CF	Dishwashers	\$299,820.00	\$0.00	\$299,820.00	\$0.00	\$0.00
416	Kitchen Equipment/Systems	NOR ARRA	Kilby CF	Ice Machines	\$4,660.40	\$0.00	\$4,660.40	\$0.00	\$0.00
423	Kitchen Equipment/Systems	NOR ARRA	Kilby CF	Steam Trap Replacement	\$130,464.20	\$0.00	\$130,464.20	\$0.00	\$0.00
62	Kitchen Equipment/Systems	JCI ARRA	Limestone CF	LIM 6.1 Kitchen Equipment Replacement	\$143,888.40	\$143,888.40	\$0.00	\$0.00	\$0.00
230	Kitchen Equipment/Systems	JCI nonARRA	Limestone CF	Currently kitchen office area is served by old inefficient split system unit. The scope of this is to replace split system unit serving kitchen office area with new high efficiency heat pump unit. Install programmable thermostat to implement scheduling and night setback.	\$19,472.35	\$0.00	\$0.00	\$19,472.35	\$0.00
241	Kitchen Equipment/Systems	JCI nonARRA	Limestone CF	Existing AHU above west mechanical room serving kitchen is old and needs to be replaced. The existing AHU will be demolished. The existing AHU will be replaced with the new high efficiency constant volume AHU. Existing AHU serving the dinning area is old and inefficient. The existing AHU will be abandoned in place. The new high efficiency constant volume AHU serving dining area will be located in the east mechanical room. Install DDC to implement scheduling and night setback on (2) new AHUs for the kitchen.	\$68,978.82	\$0.00	\$0.00	\$68,978.82	\$0.00
426	Kitchen Equipment/Systems	NOR ARRA	Loxley CBF/CWC	Ice Machines	\$3,497.00	\$0.00	\$3,497.00	\$0.00	\$0.00
69	Kitchen Equipment/Systems	JCI ARRA	Mobile CBF	MOB 6.3 Kitchen Hood Make-up Air	\$8,319.83	\$8,319.83	\$0.00	\$0.00	\$0.00
63	Kitchen Equipment/Systems	JCI ARRA	Montgomery Womens Facility	MNT 6.1 Kitchen Equipment Replacement	\$10,180.08	\$10,180.08	\$0.00	\$0.00	\$0.00
432	Kitchen Equipment/Systems	NOR ARRA	Red Eagle Honor Farm	Ice Machines	\$3,497.00	\$0.00	\$3,497.00	\$0.00	\$0.00
65	Kitchen Equipment/Systems	JCI ARRA	Staton CF	STA 6.1 Kitchen Equipment Replacement	\$72,488.52	\$72,488.52	\$0.00	\$0.00	\$0.00
64	Kitchen Equipment/Systems	JCI ARRA	St Clair CF	STC 6.1.1 Kitchen Equipment Replacement	\$106,885.98	\$106,885.98	\$0.00	\$0.00	\$0.00
72	Kitchen Equipment/Systems	JCI ARRA	St Clair CF	STC 6.4 Dishwasher Replacement	\$109,402.00	\$109,402.00	\$0.00	\$0.00	\$0.00
75	Kitchen Equipment/Systems	JCI ARRA	St Clair CF	STC 6.8 Strip Curtains	\$10,125.00	\$10,125.00	\$0.00	\$0.00	\$0.00
112	Kitchen Equipment/Systems	JCI ARRA	St Clair CF	STC 9.1 Gen Kitch	\$3,844.81	\$3,844.81	\$0.00	\$0.00	\$0.00

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277	Kitchen Equipment/Systems	JCI nonARRA	St Clair CF	The special diet kitchen is served by (2) older less efficient 3-ton split units. The units are controlled by non-programmable thermostats. The scope of this ECM is to replace existing units with a properly sized (1) heat pump unit with aux electric heat. Programmable thermostats will be installed to implement scheduling and night setback through BMS system.	\$52,661.11		\$0.00	\$0.00	\$52,661.11	\$0.00
287	Kitchen Equipment/Systems	JCI nonARRA	St Clair CF	The general kitchen, dinning and sandwich shop areas are served by a heating only multizone AHU. The pneumatic controls on these multizone unit are non-functional. The mutlizezone unit run 24x7. The scope of this ECM is to retrofit and recommission existing heating only multizone AHU. This will include installing new energy efficient motors on SF,EF,OAF, electric damper actuators, 2-way control valve, reseal unit joints (where applicable), reinsulate units (where applicable), unit safeties (high/low limits), belt guards, repairs on air-to-air heat exchanger (if applicable). DDC controls will be installed to implement scheduling and night setback through BMS.	\$100,776.84		\$0.00	\$0.00	\$100,776.84	\$0.00
438	Kitchen Equipment/Systems	NOR ARRA	Tutwiler Prison for Women	Ice Machines	\$2,333.20		\$0.00	\$2,333.20	\$0.00	\$0.00
443	Kitchen Equipment/Systems	NOR ARRA	Tutwiler Prison for Women	Ice Machines	\$3,497.00		\$0.00	\$3,497.00	\$0.00	\$0.00
444	Kitchen Equipment/Systems	NOR ARRA	Tutwiler Prison for Women	Kitchen Hood Controls	\$116,600.40		\$0.00	\$116,600.40	\$0.00	\$0.00
66	Kitchen Equipment/Systems	JCI ARRA	Ventress CF	VNT 6.1 Kitchen Equipment Replacement	\$37,548.36	\$37,548.36		\$0.00	\$0.00	\$0.00
73	Kitchen Equipment/Systems	JCI ARRA	Ventress CF	VNT 6.4 Dishwasher Replacement	\$133,783.99	\$133,783.99		\$0.00	\$0.00	\$0.00
330	Kitchen Equipment/Systems	JCI nonARRA	Ventress CF	Currently there are ten water cooled ice machines using domestic water for cooling. This ECM installs a new water cooling loop to replace the domestic water once through.	\$75,202.71		\$0.00	\$0.00	\$75,202.71	\$0.00
331	Kitchen Equipment/Systems	JCI nonARRA	Ventress CF	Replace existing 30 ton LP gas AC & heating system with new system, at same capacity including new steel substructure and new ductwork.	\$88,746.53		\$0.00	\$0.00	\$88,746.53	\$0.00
205	Domestic Water Systems/controls	JCI nonARRA	Agency Administration	The main building has 8,300 Square feet of refrigerated space, excluding freezers. These areas include the following: Warehouse 2, Cooler B, Cooler C, Cooler H, Meat Processing and the refrigerated corridors. Ten (10) condensing units located on the roof serve evaporators located in each area. Temperatures for these rooms are maintained at 42F. Note: Cooler B is presently overloaded and temperatures are kept at 37F. There is an additional 7,300 Square feet of frozen storage space. These areas include freezers A, D, E, F and G. Five (5) condensing units located on the roof serve evaporator coils for these units. Temperatures are maintained at -4F. Defrost is timed. The scope of this ECM is to replace the existing units with higher efficiency units, incorporate heat recovery to pre-heat water used for wash down, and implement demand defrost. The Warehouse 14 has 1,860 Square feet of frozen storage space. These areas include Freezer A, B and C. Six (6) ground-mounted condensing units serve evaporators located in each freezer. Temperatures are maintained at -4F. Defrost is timed. The scope of this E	\$2,155,132.54		\$0.00	\$0.00	\$2,155,132.54	\$0.00
451	Domestic Water Systems/controls	NOR nonARRA	Alex City CBF	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
454	Domestic Water Systems/controls	NOR nonARRA	Alex City CBF	Water Conservation	\$39,715.52		\$0.00	\$0.00	\$0.00	\$39,715.52
5	Domestic Water Systems/controls	JCI ARRA	Atmore CBF/CWC	ATM 3.11 Kitchen - DHW Tank Insulate	\$4,126.71	\$4,126.71		\$0.00	\$0.00	\$0.00
137	Domestic Water Systems/controls	JCI nonARRA	Atmore CBF/CWC	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$93,832.49		\$0.00	\$0.00	\$93,832.49	\$0.00
457	Domestic Water Systems/controls	NOR nonARRA	Birmingham CBF	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
461	Domestic Water Systems/controls	NOR nonARRA	Birmingham CBF	Water Conservation	\$30,778.86		\$0.00	\$0.00	\$0.00	\$30,778.86
138	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$227,626.74		\$0.00	\$0.00	\$227,626.74	\$0.00

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139	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	The mechanical room houses (2) domestic water heaters which provide hot water for the Main Building, the warehouse and for Building I, which houses the kitchen and laundry. Water is produced by (2) Raypak WH1-1223 boilers and is stored in (2) storage tanks. Boilers are presently generating 160F water. The scope of this ECM is to replace the (2) boilers with (3) Aerco condensing boilers. Replace hot water tanks, circulation pumps, mixing valves and repipe as needed.. As part of this ECM, insulation will be restored to all hot water piping in the mechanical room.	\$376,266.20		\$0.00	\$0.00	\$376,266.20	\$0.00
140	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Six (6) 91 gallon 199,000 Btuh natural gas water heaters (Rheem G91-220-1 or American DCG3-100T199-GNH) provide domestic hot water for the inmate dorms. A 40 gallon natural gas water heater provides hot water for the seg unit. A significant amount of piping in the mechanical rooms is uninsulated. According to personnel, the quality of water causes a significant maintenance issue and hot water heaters are replaced prematurely. The scope of this ECM is to install a central water treatment station and install (2) Aerco condensing boilers to provide domestic hot water. Interconnect the piping so these new boilers provide all of the domestic hot water needs. Insulate all uninsulated hot water piping.	\$379,924.38		\$0.00	\$0.00	\$379,924.38	\$0.00
141	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Six (2) 91 gallon natural gas water heaters and (1) Raypak boiler provide domestic hot water for the inmate dorms. A 40 gallon natural gas water heater provides hot water for the seg unit. A significant amount of piping in the mechanical rooms is uninsulated. According to personnel, the quality of water causes a significant maintenance issue and hot water heaters are replaced prematurely. The raypak unit water presently has saline water treatment. The scope of this ECM is to install a central water treatment station and install (2) Aerco condensing boilers to provide domestic hot water. Interconnect the piping so these new boilers provide all of the domestic hot water needs. Insulate all uninsulated hot water piping.	\$379,924.38		\$0.00	\$0.00	\$379,924.38	\$0.00
142	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Six (6) 91 gallon 199,000 Btuh natural gas water heaters (Rheem G91-220-1 or American DCG3-100T199-GNH) provide domestic hot water for the inmate dorms. A 40 gallon natural gas water heater provides hot water for the seg unit. A significant amount of piping in the mechanical rooms is uninsulated. According to personnel, the quality of water causes a significant maintenance issue and hot water heaters are replaced prematurely. The scope of this ECM is to install a central water treatment station and install (2) Aerco condensing boilers to provide domestic hot water. Interconnect the piping so these new boilers provide all of the domestic hot water needs. Insulate all uninsulated hot water piping.	\$379,924.38		\$0.00	\$0.00	\$379,924.38	\$0.00
143	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Six (6) 91 gallon 199,000 Btuh natural gas water heaters (Rheem G91-220-1 or American DCG3-100T199-GNH) provide domestic hot water for the inmate dorms. A 40 gallon natural gas water heater provides hot water for the seg unit. A significant amount of piping in the mechanical rooms is uninsulated. According to personnel, the quality of water causes a significant maintenance issue and hot water heaters are replaced prematurely. The scope of this ECM is to install a central water treatment station and install (2) Aerco condensing boilers to provide domestic hot water. Interconnect the piping so these new boilers provide all of the domestic hot water needs. Insulate all uninsulated hot water piping.	\$379,924.38		\$0.00	\$0.00	\$379,924.38	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
144	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Six (6) 91 gallon 199,000 Btuh natural gas water heaters (Rheem G91-220-1 or American DCG3-100T199-GNH) provide domestic hot water for the inmate dorms. A 40 gallon natural gas water heater provides hot water for the seg unit. A significant amount of piping in the mechanical rooms is uninsulated. According to personnel, the quality of water causes a significant maintenance issue and hot water heaters are replaced prematurely. The scope of this ECM is to install a central water treatment station and install (2) Aerco condensing boilers to provide domestic hot water. Interconnect the piping so these new boilers provide all of the domestic hot water needs. Insulate all uninsulated hot water piping.	\$369,941.34		\$0.00	\$0.00	\$369,941.34	\$0.00
145	Domestic Water Systems/controls	JCI nonARRA	Bibb County CF	Six (6) 91 gallon 199,000 Btuh natural gas water heaters (Rheem G91-220-1 or American DCG3-100T199-GNH) provide domestic hot water for the inmate dorms. A 40 gallon natural gas water heater provides hot water for the seg unit. A significant amount of piping in the mechanical rooms is uninsulated. According to personnel, the quality of water causes a significant maintenance issue and hot water heaters are replaced prematurely. The scope of this ECM is to install a central water treatment station and install (2) Aerco condensing boilers to provide domestic hot water. Interconnect the piping so these new boilers provide all of the domestic hot water needs. Insulate all uninsulated hot water piping.	\$369,941.34		\$0.00	\$0.00	\$369,941.34	\$0.00
466	Domestic Water Systems/controls	NOR nonARRA	Bullock CF	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
471	Domestic Water Systems/controls	NOR nonARRA	Bullock CF	Water Conservation	\$902,559.30		\$0.00	\$0.00	\$0.00	\$902,559.30
151	Domestic Water Systems/controls	JCI nonARRA	Camden CBF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$126,429.94		\$0.00	\$0.00	\$126,429.94	\$0.00
180	Domestic Water Systems/controls	JCI nonARRA	State Cattle Ranch	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$65,682.67		\$0.00	\$0.00	\$65,682.67	\$0.00
4	Domestic Water Systems/controls	JCI ARRA	Childersburg CBF/CWC	CHL 3.0 Chil Insulation	\$24,311.00	\$24,311.00	\$0.00	\$0.00	\$0.00	\$0.00
10	Domestic Water Systems/controls	JCI ARRA	Childersburg CBF/CWC	CHL 3.7 Dorm D2	\$58,002.07	\$58,002.07	\$0.00	\$0.00	\$0.00	\$0.00
11	Domestic Water Systems/controls	JCI ARRA	Childersburg CBF/CWC	CHL 3.7 Dorm D1	\$35,562.57	\$35,562.57	\$0.00	\$0.00	\$0.00	\$0.00
152	Domestic Water Systems/controls	JCI nonARRA	Childersburg CBF/CWC	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$126,429.94		\$0.00	\$0.00	\$126,429.94	\$0.00
13	Domestic Water Systems/controls	JCI ARRA	J.O. DAVIS	JOD 3.7.1 DHW Heater Replacement	\$32,819.13	\$32,819.13	\$0.00	\$0.00	\$0.00	\$0.00
14	Domestic Water Systems/controls	JCI ARRA	J.O. DAVIS	JOD 3.7.2 DHW Heater Replacement	\$18,114.74	\$18,114.74	\$0.00	\$0.00	\$0.00	\$0.00
209	Domestic Water Systems/controls	JCI nonARRA	J.O. DAVIS	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$63,821.00		\$0.00	\$0.00	\$63,821.00	\$0.00
474	Domestic Water Systems/controls	NOR nonARRA	Decatur CBF	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
481	Domestic Water Systems/controls	NOR nonARRA	Decatur CBF	Water Conservation	\$104,695.11		\$0.00	\$0.00	\$0.00	\$104,695.11
489	Domestic Water Systems/controls	NOR nonARRA	Donaldson CF	Water Conservation	\$1,708,218.39		\$0.00	\$0.00	\$0.00	\$1,708,218.39
164	Domestic Water Systems/controls	JCI nonARRA	Draper CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$227,626.74		\$0.00	\$0.00	\$227,626.74	\$0.00
6	Domestic Water Systems/controls	JCI ARRA	Elba CBF	ELB 3.11 Insulation	\$4,484.16	\$4,484.16	\$0.00	\$0.00	\$0.00	\$0.00
12	Domestic Water Systems/controls	JCI ARRA	Elba CBF	ELB 3.7 DHW Replacement	\$32,496.29	\$32,496.29	\$0.00	\$0.00	\$0.00	\$0.00
174	Domestic Water Systems/controls	JCI nonARRA	Elba CBF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$53,318.48		\$0.00	\$0.00	\$53,318.48	\$0.00
499	Domestic Water Systems/controls	NOR nonARRA	Elmore CF	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
503	Domestic Water Systems/controls	NOR nonARRA	Elmore CF	Water Conservation	\$163,091.34		\$0.00	\$0.00	\$0.00	\$163,091.34
493	Domestic Water Systems/controls	NOR nonARRA	Easterling CF	Kitchen Water Conservation	\$3,698.90		\$0.00	\$0.00	\$0.00	\$3,698.90
496	Domestic Water Systems/controls	NOR nonARRA	Easterling CF	Water Conservation	\$339,164.29		\$0.00	\$0.00	\$0.00	\$339,164.29
9	Domestic Water Systems/controls	JCI ARRA	East Thomas Residential Annex	EAT 3.6 Solar Thermal System	\$23,130.68	\$23,130.68	\$0.00	\$0.00	\$0.00	\$0.00
7	Domestic Water Systems/controls	JCI ARRA	Frank Lee WR	FLW 3.11 Main Building - Insulation	\$22,651.59	\$22,651.59	\$0.00	\$0.00	\$0.00	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
188	Domestic Water Systems/controls	JCI nonARRA	Frank Lee WR	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$66,081.84		\$0.00	\$0.00	\$66,081.84	\$0.00
19	Domestic Water Systems/controls	JCI ARRA	Fountain CF	FNT 3.8 DHW heater, fuel conversion	\$323,319.57	\$323,319.57	\$0.00	\$0.00	\$0.00	\$0.00
183	Domestic Water Systems/controls	JCI nonARRA	Fountain CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$387,945.92		\$0.00	\$0.00	\$387,945.92	\$0.00
507	Domestic Water Systems/controls	NOR nonARRA	Hamilton CBF	Kitchen Water Conservation	\$2,030.30		\$0.00	\$0.00	\$0.00	\$2,030.30
511	Domestic Water Systems/controls	NOR nonARRA	Hamilton CBF	Water Conservation	\$66,285.27		\$0.00	\$0.00	\$0.00	\$66,285.27
515	Domestic Water Systems/controls	NOR nonARRA	Hamilton CBF	Water Conservation	\$42,336.05		\$0.00	\$0.00	\$0.00	\$42,336.05
519	Domestic Water Systems/controls	NOR nonARRA	Holman CF	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
523	Domestic Water Systems/controls	NOR nonARRA	Holman CF	Water Conservation	\$1,227,615.77		\$0.00	\$0.00	\$0.00	\$1,227,615.77
527	Domestic Water Systems/controls	NOR nonARRA	Kilby CF	Kitchen Water Conservation	\$2,030.30		\$0.00	\$0.00	\$0.00	\$2,030.30
534	Domestic Water Systems/controls	NOR nonARRA	Kilby CF	Water Conservation	\$694,516.42		\$0.00	\$0.00	\$0.00	\$694,516.42
211	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$927,632.84		\$0.00	\$0.00	\$927,632.84	\$0.00
214	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Replace existing domestic hot water generator with new energy efficient condensing boiler. Existing tank will be reused.	\$327,505.23		\$0.00	\$0.00	\$327,505.23	\$0.00
217	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Replace existing Raypak hot water generator with new high efficiency condensing boiler. Reinsulate existing tank. Revise the DHW piping to simplify control, reset the temperature control to deliver 115 °F HW. Reinsulate DHW piping.	\$289,426.70		\$0.00	\$0.00	\$289,426.70	\$0.00
222	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	The HW piping will be re-insulated and units will be replaced with new hot water unit heaters. The units will be controlled by controlling the fans to maintain space temperature set point during the heating season. During the summer months HW will be shut off. The ventilation fans will be interlocked with respective dampers. The damper actuators will be replaced with electric actuators with end switches. Install DDC to control ventilation fans. The ventilation fans will be controlled based on temperature during summer season. The ventilation fans will be cycled during winter season. Install DDC controls for the hot water system.	\$212,728.33		\$0.00	\$0.00	\$212,728.33	\$0.00
224	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	DDC systems will be installed to control heating hot water system and implement reset based on outdoor air using BMS system .	\$286,204.79		\$0.00	\$0.00	\$286,204.79	\$0.00
249	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Replace existing hot water circulating pump with high efficiency motor	\$26,767.65		\$0.00	\$0.00	\$26,767.65	\$0.00
250	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Replace two (2) existing hot water circulating pumps in the west mechanical room with new pumps to include high efficiency motors.	\$26,767.65		\$0.00	\$0.00	\$26,767.65	\$0.00
251	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Replace existing hot water circulating pumps with high efficiency motor	\$24,561.69		\$0.00	\$0.00	\$24,561.69	\$0.00
252	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	Replace (2) existing circulating heating HW pumps with high efficiency motor equipped pumps.	\$196,489.04		\$0.00	\$0.00	\$196,489.04	\$0.00
253	Domestic Water Systems/controls	JCI nonARRA	Limestone CF	The existing constant speed chilled water pump will be replaced with a new pump with a high efficiency motor.	\$32,009.53		\$0.00	\$0.00	\$32,009.53	\$0.00
537	Domestic Water Systems/controls	NOR nonARRA	Loxley CBF/CWC	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
540	Domestic Water Systems/controls	NOR nonARRA	Loxley CBF/CWC	Water Conservation	\$93,551.11		\$0.00	\$0.00	\$0.00	\$93,551.11
256	Domestic Water Systems/controls	JCI nonARRA	Mobile CBF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$38,981.93		\$0.00	\$0.00	\$38,981.93	\$0.00
8	Domestic Water Systems/controls	JCI ARRA	Montgomery Womens Facility	MNT 3.12 Dorm A - Pipe Insulation	\$3,562.38	\$3,562.38	\$0.00	\$0.00	\$0.00	\$0.00
260	Domestic Water Systems/controls	JCI nonARRA	Montgomery Womens Facility	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$73,850.55		\$0.00	\$0.00	\$73,850.55	\$0.00
543	Domestic Water Systems/controls	NOR nonARRA	Red Eagle Honor Farm	Kitchen Water Conservation	\$365.70		\$0.00	\$0.00	\$0.00	\$365.70
546	Domestic Water Systems/controls	NOR nonARRA	Red Eagle Honor Farm	Water Conservation	\$49,195.32		\$0.00	\$0.00	\$0.00	\$49,195.32
296	Domestic Water Systems/controls	JCI nonARRA	Staton CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$483,718.69		\$0.00	\$0.00	\$483,718.69	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO
16	Domestic Water Systems/controls	JCI ARRA	St Clair CF	STC 3.7 Dorm H	\$128,790.00	\$128,790.00	\$0.00	\$0.00	\$0.00
266	Domestic Water Systems/controls	JCI nonARRA	St Clair CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$766,934.22	\$0.00	\$0.00	\$766,934.22	\$0.00
551	Domestic Water Systems/controls	NOR nonARRA	Tutwiler Prison for Women	Water Conservation	\$39,248.11	\$0.00	\$0.00	\$0.00	\$39,248.11
555	Domestic Water Systems/controls	NOR nonARRA	Tutwiler Prison for Women	Kitchen Water Conservation	\$365.70	\$0.00	\$0.00	\$0.00	\$365.70
558	Domestic Water Systems/controls	NOR nonARRA	Tutwiler Prison for Women	Water Conservation	\$491,459.04	\$0.00	\$0.00	\$0.00	\$491,459.04
17	Domestic Water Systems/controls	JCI ARRA	Ventress CF	VNT 3.7 Kitchen - DHW Heater Replacement	\$54,737.47	\$54,737.47	\$0.00	\$0.00	\$0.00
18	Domestic Water Systems/controls	JCI ARRA	Ventress CF	VNT 3.7 H Dorm - DHW Heater Replacement	\$55,168.48	\$55,168.48	\$0.00	\$0.00	\$0.00
329	Domestic Water Systems/controls	JCI nonARRA	Ventress CF	Toilet upgrades, flush valve replacements, faucet aerators, new shower heads (see line by line for detail)	\$1,209,852.33	\$0.00	\$0.00	\$1,209,852.33	\$0.00
343	Laundry Equipment/Systems	NOR ARRA	Alex City CBF	Washing Machines	\$19,054.10	\$0.00	\$19,054.10	\$0.00	\$0.00
350	Laundry Equipment/Systems	NOR ARRA	Birmingham CBF	Washing Machines	\$6,417.80	\$0.00	\$6,417.80	\$0.00	\$0.00
76	Laundry Equipment/Systems	JCI ARRA	Bibb County CF	BIB 7.0 Laundry System	\$112,956.12	\$112,956.12	\$0.00	\$0.00	\$0.00
360	Laundry Equipment/Systems	NOR ARRA	Bullock CF	Ozone Laundry Systems	\$118,762.40	\$0.00	\$118,762.40	\$0.00	\$0.00
181	Laundry Equipment/Systems	JCI nonARRA	State Cattle Ranch	Replace (2) existing 1997 vintage existing natural gas dryers with new 125 Lb capacity Unimac commercial natural gas dryers.	\$27,895.96	\$0.00	\$0.00	\$27,895.96	\$0.00
153	Laundry Equipment/Systems	JCI nonARRA	Childersburg CBF/CWC	Replace (2) Unimac 2002 vintage 60 Lb commercial washers with (2) new 60 Lb Unimac commercial washers.	\$35,597.89	\$0.00	\$0.00	\$35,597.89	\$0.00
154	Laundry Equipment/Systems	JCI nonARRA	Childersburg CBF/CWC	The scope of this ECM includes replacement of existing (6) electric dryers in the laundry facility with (6) Unimac commercial gas dryers. The natural gas line will be extended to the laundry facility under the scope of this ECM.	\$87,867.40	\$0.00	\$0.00	\$87,867.40	\$0.00
369	Laundry Equipment/Systems	NOR ARRA	Decatur CBF	Ozone Laundry Systems	\$98,492.60	\$0.00	\$98,492.60	\$0.00	\$0.00
378	Laundry Equipment/Systems	NOR ARRA	Donaldson CF	Ozone Laundry Systems	\$98,492.60	\$0.00	\$98,492.60	\$0.00	\$0.00
175	Laundry Equipment/Systems	JCI nonARRA	Elba CBF	Replace (2) existing residential washers with new front load commercial washers. The existing washers were purchased in 2008 but are residential top loading. The new washers reduce the amount of drying time required.	\$11,712.98	\$0.00	\$0.00	\$11,712.98	\$0.00
392	Laundry Equipment/Systems	NOR ARRA	Elmore CF	Ozone Laundry Systems	\$118,762.40	\$0.00	\$118,762.40	\$0.00	\$0.00
385	Laundry Equipment/Systems	NOR ARRA	Easterling CF	Ozone Laundry Systems	\$74,841.10	\$0.00	\$74,841.10	\$0.00	\$0.00
77	Laundry Equipment/Systems	JCI ARRA	Fountain CF	FTN 7.0 Laundry Equipment Replacement	\$76,010.40	\$76,010.40	\$0.00	\$0.00	\$0.00
81	Laundry Equipment/Systems	JCI ARRA	Fountain CF	FNT 7.4 DHW Direct Contact Boiler / Holding Tank Insulation	\$10,378.76	\$10,378.76	\$0.00	\$0.00	\$0.00
400	Laundry Equipment/Systems	NOR ARRA	Hamilton CBF	Ozone Laundry Systems	\$74,841.10	\$0.00	\$74,841.10	\$0.00	\$0.00
422	Laundry Equipment/Systems	NOR ARRA	Kilby CF	Ozone Laundry Systems	\$98,492.60	\$0.00	\$98,492.60	\$0.00	\$0.00
15	Laundry Equipment/Systems	JCI ARRA	Limestone CF	LIM 3.7 Laundry Replace HW Generator	\$280,185.79	\$280,185.79	\$0.00	\$0.00	\$0.00
78	Laundry Equipment/Systems	JCI ARRA	Limestone CF	LIM 7.0 Laundry Equipment Upgrade	\$241,574.40	\$241,574.40	\$0.00	\$0.00	\$0.00
429	Laundry Equipment/Systems	NOR ARRA	Loxley CBF/CWC	Washing Machines	\$19,256.60	\$0.00	\$19,256.60	\$0.00	\$0.00
261	Laundry Equipment/Systems	JCI nonARRA	Montgomery Womens Facility	Replace (2) existing 2004 vintage 55 Lb Dexter washing machines with (2) new 60 Lb capacity Unimac commercial duty washing machines.	\$30,025.21	\$0.00	\$0.00	\$30,025.21	\$0.00
435	Laundry Equipment/Systems	NOR ARRA	Red Eagle Honor Farm	Ozone Laundry Systems	\$74,841.10	\$0.00	\$74,841.10	\$0.00	\$0.00
79	Laundry Equipment/Systems	JCI ARRA	St Clair CF	STC 7.0 Laundry Equipment Replacement	\$165,371.22	\$165,371.22	\$0.00	\$0.00	\$0.00
295	Laundry Equipment/Systems	JCI nonARRA	St Clair CF	Currently a 940,000 BTU dedicated boiler serves the kitchen and laundry areas. This boiler heats hot water from domestic hot water system from 120 deg F to 140 deg F. The scope of this ECM is to eliminate this existing dedicated boiler for laundry and kitchen areas. This boiler will no longer be required due to implementation of ozone laundry system and new dishwasher in the kitchen covered under separate ECMs. The existing boiler will be decommissioned and left in place.	\$5,004.74	\$0.00	\$0.00	\$5,004.74	\$0.00
440	Laundry Equipment/Systems	NOR ARRA	Tutwiler Prison for Women	Washing Machines	\$8,561.10	\$0.00	\$8,561.10	\$0.00	\$0.00
447	Laundry Equipment/Systems	NOR ARRA	Tutwiler Prison for Women	Ozone Laundry Systems	\$74,841.10	\$0.00	\$74,841.10	\$0.00	\$0.00
80	Laundry Equipment/Systems	JCI ARRA	Ventress CF	VNT 7.0 Laundry Equipment Replacement	\$184,971.60	\$184,971.60	\$0.00	\$0.00	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
82	Plug Load Control	JCI ARRA	ACI	ACI 8.1 Admin and Showrooms - Vending Miser	\$988.20		\$988.20	\$0.00	\$0.00	\$0.00
136	Plug Load Control	JCI nonARRA	ACI	Delamp (1) snack machine in the break room and (1) snack machine in the construction office area.	\$1.98		\$0.00	\$0.00	\$1.98	\$0.00
83	Plug Load Control	JCI ARRA	Bibb County CF	BIB 8.1 Main Building - Vending Miser	\$2,911.14		\$2,911.14	\$0.00	\$0.00	\$0.00
147	Plug Load Control	JCI nonARRA	Bibb County CF	Delamp (7) snack machines and (3) sandwich machines.	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
86	Plug Load Control	JCI ARRA	State Cattle Ranch	FAR 8.1 Main Building - Vending Miser	\$494.10		\$494.10	\$0.00	\$0.00	\$0.00
182	Plug Load Control	JCI nonARRA	State Cattle Ranch	Delamp (1) snack machine in the break room.	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
84	Plug Load Control	JCI ARRA	Childersburg CBF/CWC	CHL 8.1 Kitch & Vend	\$1,482.30		\$1,482.30	\$0.00	\$0.00	\$0.00
155	Plug Load Control	JCI nonARRA	Childersburg CBF/CWC	Delamp (3) snack and (2) cold food machines	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
156	Plug Load Control	JCI nonARRA	Childersburg CBF/CWC	The commissary building houses soda, snack and sandwich vending machines. The space is served by a 3-ton packaged unit. The unit is currently controlled by a non-programmable thermostat. The unit runs all the time to maintain the temperature set point. The ambient space temperature limitation for vending machines is 85 deg F. The scope of this ECM is to install exhaust fan for this vending area. The exhaust fan operation will be interlocked with the existing packaged AC unit. The temperature set point for the packaged AC unit will be reset to 85 deg F.	\$6,648.21		\$0.00	\$0.00	\$6,648.21	\$0.00
85	Plug Load Control	JCI ARRA	Draper CF	DRA 8.1 Main Building - Vending Miser	\$2,470.50		\$2,470.50	\$0.00	\$0.00	\$0.00
165	Plug Load Control	JCI nonARRA	Draper CF	Delamp (4) snack machines.	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
87	Plug Load Control	JCI ARRA	Frank Lee WR	FLW 8.1 Main Building - Vending Miser	\$988.20		\$988.20	\$0.00	\$0.00	\$0.00
189	Plug Load Control	JCI nonARRA	Frank Lee WR	Delamp (1) snack machine in the break room.	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
91	Plug Load Control	JCI ARRA	Limestone CF	LIM 8.2.1 Vending Miser	\$3,952.80		\$3,952.80	\$0.00	\$0.00	\$0.00
218	Plug Load Control	JCI nonARRA	Limestone CF	Delamp (9) snack machines	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
88	Plug Load Control	JCI ARRA	Mobile CBF	MOB 8.1 Vending Machine Control	\$3,458.70		\$3,458.70	\$0.00	\$0.00	\$0.00
89	Plug Load Control	JCI ARRA	Montgomery Womens Facility	MNT 8.1 Main Building - Vending Miser	\$494.10		\$494.10	\$0.00	\$0.00	\$0.00
262	Plug Load Control	JCI nonARRA	Montgomery Womens Facility	Delamp (2) snack machine.	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
90	Plug Load Control	JCI ARRA	Staton CF	STA 8.1 Admin Building - Vending Miser	\$1,482.30		\$1,482.30	\$0.00	\$0.00	\$0.00
297	Plug Load Control	JCI nonARRA	Staton CF	Delamp (4) snack machines.	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
92	Plug Load Control	JCI ARRA	St Clair CF	STC 8.2 Common	\$2,987.00		\$2,987.00	\$0.00	\$0.00	\$0.00
267	Plug Load Control	JCI nonARRA	St Clair CF	Delamp snack machines: (1) admin, (1) Bldg U, (6) visitation area, (1) Infirmary, (1) Social services	\$1.68		\$0.00	\$0.00	\$1.68	\$0.00
96	HVAC System Upgrades	JCI ARRA	ACI	ACI 9.1 HVAC Controls Upgrades	\$163,827.75		\$163,827.75	\$0.00	\$0.00	\$0.00
135	HVAC System Upgrades	JCI nonARRA	ACI	Mr. Farquhar's office area is served by an inefficient natural gas/ DX split system that is controlled with a programmable thermostat. The indoor and outdoor units are both very difficult to get to for maintenance and both are at the end of their rated lives. The scope of this ECM is to replace this unit with a new furnace/DX system with minimum outdoor air. The new furnace will be located in the second floor area that is no longer utilized and the condensing unit will be ground mounted. New ductwork will be installed above the offices in the second floor space and will be connected to new supply air diffusers. New piping will be insulated and existing uninsulated piping will be abandoned. Refer to ECM 9.1 for Controls.	\$79,917.26		\$0.00	\$0.00	\$79,917.26	\$0.00
103	HVAC System Upgrades	JCI ARRA	Agency Administration	INS 9.1 Main Building - HVAC Controls Upgrades	\$446.54		\$446.54	\$0.00	\$0.00	\$0.00
206	HVAC System Upgrades	JCI nonARRA	Agency Administration	Warehouse 1 office is heated and cooled by an inefficient thru-the-wall unit. The space is occupied from 0700 until 1600, 5 days per week. The scope of this ECM is to install an efficient mini-split system heat pump to provide both heating and cooling. The integral controls will be programmed for night setback.	\$17,452.59		\$0.00	\$0.00	\$17,452.59	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
207	HVAC System Upgrades	JCI nonARRA	Agency Administration	The meat processing office area is heated by an inefficient suspended gas unit heater and cooled by an inefficient window unit. Controls are manual. The space is occupied from 0700 until 1600, 5 days per week. The scope of this ECM is to install an efficient mini-split system heat pump to provide both heating and cooling. The integral controls will be programmed to accomplish night setback.	\$17,452.59		\$0.00	\$0.00	\$17,452.59	\$0.00
208	HVAC System Upgrades	JCI nonARRA	Agency Administration	There are 3 small offices located within the refrigerated area. Each office has an electric resistance heater that operates year-round to heat the offices for occupants. The scope of this work is to install hot water coils in each office. Hot water will be provided from heat recovered from the new refrigeration system.	\$26,809.87		\$0.00	\$0.00	\$26,809.87	\$0.00
339	HVAC System Upgrades	NOR ARRA	Alex City CBF	EMS	\$5,673.20		\$0.00	\$5,673.20	\$0.00	\$0.00
97	HVAC System Upgrades	JCI ARRA	Atmore CBF/CWC	ATM 9.1 Chapel T-Stat Rplacement	\$454.28	\$454.28		\$0.00	\$0.00	\$0.00
98	HVAC System Upgrades	JCI ARRA	Atmore CBF/CWC	ATM 9.1 Admin - T-Stat Replacement	\$454.28	\$454.28		\$0.00	\$0.00	\$0.00
121	HVAC System Upgrades	JCI ARRA	Atmore CBF/CWC	ATM 9.5 Health - HVAC System Replace	\$22,371.49	\$22,371.49		\$0.00	\$0.00	\$0.00
345	HVAC System Upgrades	NOR ARRA	Birmingham CBF	EMS	\$3,181.90		\$0.00	\$3,181.90	\$0.00	\$0.00
93	HVAC System Upgrades	JCI ARRA	Bibb County CF	BIB 9.0 HVAC Upgrades	\$792,651.32	\$792,651.32		\$0.00	\$0.00	\$0.00
353	HVAC System Upgrades	NOR ARRA	Bullock CF	EMS	\$306,996.00		\$0.00	\$306,996.00	\$0.00	\$0.00
102	HVAC System Upgrades	JCI ARRA	State Cattle Ranch	FAR 9.1 Main Building - HVAC Controls Upgrades	\$3,654.72	\$3,654.72		\$0.00	\$0.00	\$0.00
123	HVAC System Upgrades	JCI ARRA	State Cattle Ranch	FAR 9.5 Hobby Building - HVAC Unit Replacement	\$33,566.11	\$33,566.11		\$0.00	\$0.00	\$0.00
94	HVAC System Upgrades	JCI ARRA	Childersburg CBF/CWC	CHL 9.0 Dorm D1 & D2	\$93,703.09	\$93,703.09		\$0.00	\$0.00	\$0.00
99	HVAC System Upgrades	JCI ARRA	Childersburg CBF/CWC	CHL 9.1 Chapel	\$4,666.93	\$4,666.93		\$0.00	\$0.00	\$0.00
157	HVAC System Upgrades	JCI nonARRA	Childersburg CBF/CWC	The classroom 2 (Treatment C) is currently served by a wall mounted 3-ton packaged BARD unit with electric heat. The unit is controlled by a non-programmable thermostat located in the office room isolated from the classroom space. The scope of this ECM is to replace existing wall mounted packaged AC unit with a ductless minisplit unit with electric heat. A programmable thermostat will be installed with a remote passive temperature sensor at a proper location in the classroom area.	\$40,871.84		\$0.00	\$0.00	\$40,871.84	\$0.00
158	HVAC System Upgrades	JCI nonARRA	Childersburg CBF/CWC	The classroom 1 (ABE) is served by a 3-ton split system unit with electric heat. This unit is currently controlled by a non-programmable thermostat. The scope of this ECM is to replace existing split AC unit with heat pump unit with aux electric heat. A programmable thermostat will be installed to implement scheduling and night setback.	\$35,656.88		\$0.00	\$0.00	\$35,656.88	\$0.00
159	HVAC System Upgrades	JCI nonARRA	Childersburg CBF/CWC	The admin office area is served by a 4 ton split AC unit. The unit is controlled by a non-programmable thermostat. The scope of this ECM is to replace existing split AC unit serving admin office area with a properly sized heat pump unit with aux electric heat. The scope of this ECM also includes installation of programmable thermostat to implement scheduling and night setback on the unit.	\$42,864.37		\$0.00	\$0.00	\$42,864.37	\$0.00
160	HVAC System Upgrades	JCI nonARRA	Childersburg CBF/CWC	The classroom 3 (Treatment H) is currently served by a wall mounted packaged 3-ton MARAIR unit with electric heat. The unit is controlled by a non-programmable thermostat located in the classroom space. The scope of this ECM is to replace existing wall mounted packaged AC unit with a ductless minisplit unit with electric heat. A programmable thermostat will be installed with a remote passive temperature sensor at a proper location in the classroom area.	\$38,730.05		\$0.00	\$0.00	\$38,730.05	\$0.00
210	HVAC System Upgrades	JCI nonARRA	J.O. DAVIS	Replace existing B Dorm split system with new high efficiency split system with new programmable thermostat.	\$12,145.40		\$0.00	\$0.00	\$12,145.40	\$0.00
362	HVAC System Upgrades	NOR ARRA	Decatur CBF	EMS	\$4,323.40		\$0.00	\$4,323.40	\$0.00	\$0.00
372	HVAC System Upgrades	NOR ARRA	Donaldson CF	EMS	\$118,574.80		\$0.00	\$118,574.80	\$0.00	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO
95	HVAC System Upgrades	JCI ARRA	Draper CF	DRA 9.0 Controls & HVAC Upgrades	\$762,115.45		\$762,115.45	\$0.00	\$0.00
166	HVAC System Upgrades	JCI nonARRA	Draper CF	The multipurpose building has (4) open-flame, gas-fired unit heaters the provide heating for the ceramics, carpentry, library and leather working areas of the building. All unit heaters are manually controlled for space heating. The scope of work is to replace these (4) units with high-efficiency, condensing ducted furnaces with minimum outdoor air. The new furnaces will be connected to the new control system for temperature optimization and night setback. Refer to ECM 9.1 for controls.	\$106,640.75		\$0.00	\$0.00	\$106,640.75
167	HVAC System Upgrades	JCI nonARRA	Draper CF	The chapel is heated and cooled by (1) heating-only gas-fired rooftop unit and (3) window units. The scope of work is to remove existing window units and to replace the heating-only rooftop unit with an efficient packaged DX unit. This unit will be connected to the new Metasys control system for temperature optimization and night setback; the thermostat location for both heating and cooling control will be at the existing heating thermostat location.	\$60,721.57		\$0.00	\$0.00	\$60,721.57
168	HVAC System Upgrades	JCI nonARRA	Draper CF	The back gate has a window unit used for cooling and an inefficient natural gas unit heater used for heating. Controls are manual. The scope of work will be to install an efficient mini-split heat pump to provide both heating and cooling. Stand-alone controller will be programmed to set temperatures back during unoccupied hours. Replace the unit heater in the shakedown room with an efficient condensing furnace and install a stand-alone programmable thermostat.	\$55,157.43		\$0.00	\$0.00	\$55,157.43
169	HVAC System Upgrades	JCI nonARRA	Draper CF	The Lee Taylor building is served by (1) split-system heat pumps for both heating and cooling. Existing controls are manual. The space is typically occupied by 80 to 100 inmates; according to personnel, temperatures get very warm in the summer. Based on the high heat load in the space, it is recommended that the system be replaced with a properly-sized, energy efficient packaged unit which has economizing capability. Economizing allows the unit to cool the space with outdoor air whenever cooling is required below 55F. The scope of work will also include Metasys controls and set temperatures back during unoccupied hours.	\$46,857.89		\$0.00	\$0.00	\$46,857.89
170	HVAC System Upgrades	JCI nonARRA	Draper CF	The maintenance office is heated and cooled with an electric resistance heater and window air-conditioner. Controls are manual. The scope of work will be to install an efficient mini-split heat pump to provide both heating and cooling. Stand-alone controller will be programmed to set temperatures back during unoccupied hours.	\$26,689.08		\$0.00	\$0.00	\$26,689.08
171	HVAC System Upgrades	JCI nonARRA	Draper CF	The administrative office is heated and cooled with a gas-fired heater and (3) window air-conditioners. Controls are manual. The scope of work will be to install an efficient multi-zone mini-split heat pump to provide both heating and cooling. Network thermostats will be programmed to set temperatures back during unoccupied hours.	\$61,823.97		\$0.00	\$0.00	\$61,823.97
172	HVAC System Upgrades	JCI nonARRA	Draper CF	The maintenance shop is heated with (2) inefficient gas-fired unit heaters. Controls are manual. The scope of work will be to replace the unit heaters with efficient condensing unit heaters. Install stand-alone programmable thermostats to set temperatures back at night.	\$74,729.42		\$0.00	\$0.00	\$74,729.42
122	HVAC System Upgrades	JCI ARRA	Elba CBF	ELB 9.5.3 HVAC Equipment Replacement	\$17,007.15	\$17,007.15	\$0.00	\$0.00	\$0.00
176	HVAC System Upgrades	JCI nonARRA	Elba CBF	Currently, the Dorm shower occupants turn on multiple shower head in order to warm up the area during shower times. ECM is to install new ~80 MBH gas fired heating unit, locate in DHW Heater mechanical room and duct to Shower area.	\$14,353.65		\$0.00	\$0.00	\$14,353.65

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
177	HVAC System Upgrades	JCI nonARRA	Elba CBF	Replace existing 5 ton Heat Pump unit with wood return plenum with new more efficient heat pump system including new refrigerant lines and new return plenum. Includes new programmable thermostat.	\$16,341.08		\$0.00	\$0.00	\$16,341.08	\$0.00
178	HVAC System Upgrades	JCI nonARRA	Elba CBF	Replace existing 1.5 ton condensing unit in dorm with 2 ton condensing unit, and install louver in furnace closet door. Includes new programmable thermostat.	\$8,848.48		\$0.00	\$0.00	\$8,848.48	\$0.00
179	HVAC System Upgrades	JCI nonARRA	Elba CBF	Replace exiting 2.5 ton split AC unit in dining area with same and replace gas furnace. Includes new programmable thermostat.	\$12,035.00		\$0.00	\$0.00	\$12,035.00	\$0.00
387	HVAC System Upgrades	NOR ARRA	Elmore CF	EMS	\$19,998.90		\$0.00	\$19,998.90	\$0.00	\$0.00
380	HVAC System Upgrades	NOR ARRA	Easterling CF	EMS	\$18,324.60		\$0.00	\$18,324.60	\$0.00	\$0.00
100	HVAC System Upgrades	JCI ARRA	East Thomas Residential Annex	EAT 9.1.1 Controls	\$162.00		\$162.00	\$0.00	\$0.00	\$0.00
101	HVAC System Upgrades	JCI ARRA	East Thomas Residential Annex	EAT 9.11 Recommissioning	\$921.78		\$921.78	\$0.00	\$0.00	\$0.00
124	HVAC System Upgrades	JCI ARRA	Frank Lee WR	FLW 9.5 Dorm Athru D - HVAC Upgrades	\$135,901.41		\$135,901.41	\$0.00	\$0.00	\$0.00
190	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The administrative area is served by a split system. Heating is provided by a 125,000 Btuh natural gas furnace and cooling is provided by a 5 ton high-efficiency condensing unit. Controls are Manual thermostats. The office area is occupied from 0800 until 1700. The scope of this ECM is to install programmable network thermostats to implement night setback. The classification area is served by a split system. Heating is provided by a natural gas furnace and cooling is provided by a condensing units; nameplates were inaccessible. Controls are Manual thermostats. The classification area is occupied from 0800 until 1700. The scope of this ECM is to install programmable network thermostats to implement night setback. A roof ventilation fan is used to help cool the dining area during summer months; the exterior door remains open during the summer to allow outdoor air to flow through the space. The fan is manually controlled. The scope of this ECM is to interlock the fan with a thermostat to allow the fan to operate only when temperatures rise above 55 F Outside. The ICS office is heated and cooled by a Nordyne packaged natu	\$63,897.68		\$0.00	\$0.00	\$63,897.68	\$0.00
191	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	Replace Dorm D Toilet Exhaust Fan	\$4,448.18		\$0.00	\$0.00	\$4,448.18	\$0.00
192	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The administrative area is served by a split system. Heating is provided by a 125,000 Btuh natural gas furnace and cooling is provided by a 5 ton high-efficiency condensing unit. The furnace is in need of replacement and according to personnel, the condensing unit trips out often due to the location and condition. The scope of this ECM is to replace the furnace and condensing unit with efficient equipment. The condensing unit will be re-located from the roof to the ground.	\$39,894.21		\$0.00	\$0.00	\$39,894.21	\$0.00
193	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The conference room is heated by a suspended natural gas unit heater and cooled by an inefficient window unit. The room is typically used throughout the day from 0800 until 1700. The scope of this ECM is to replace both units with a Hi eff gas unit split. The option of installing a high efficiency split system using a condensing natural gas furnace will be evaluated. The scope also includes installation of a programmable network thermostats to implement night setback.	\$97,859.96		\$0.00	\$0.00	\$97,859.96	\$0.00
194	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The Captains office is heated by a natural gas IR heater and cooled by an inefficient window unit. The office is occupied from 0800 until 1700 and the units are manually shut off at night. The scope of this ECM is to replace both units with a high-efficiency mini-split heat pump. The heat pump stand-alone controller will be scheduled to implement night setback.	\$43,124.05		\$0.00	\$0.00	\$43,124.05	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
195	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	Dorms B and C dayroom is heated by a suspended unit heaters. One (1) roof exhaust fan that is equipped with gravity dampers operate during the summer to assist in cooling. During the survey, it was noted that unit heaters were energized while roof exhaust fans were running. All controls are manual. The scope of this ECM is to replace the suspended unit heater with a single efficient ducted condensing furnace. Network thermostats will be located in the return air duct.	\$44,481.80		\$0.00	\$0.00	\$44,481.80	\$0.00
196	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The classification area is served by a split system. Heating is provided by a natural gas furnace and cooling is provided by a condensing units; nameplates were inaccessible. Controls are Manual thermostats. The classification area is occupied from 0800 until 1700. The scope of this ECM is to replace the existing system with an efficient system and to increase the return air size.	\$44,481.80		\$0.00	\$0.00	\$44,481.80	\$0.00
197	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The canteen corridor is heated only an inefficient suspended natural gas unit heater that is rated for 40,000 Btuh. The scope of this ECM is to replace the inefficient unit with a high-efficiency ducted condensing furnace. The scope also includes installation of a programmable thermostat to implement night setback.	\$35,585.44		\$0.00	\$0.00	\$35,585.44	\$0.00
198	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	The canteen is heated and cooled by an inefficient window unit. The canteen is occupied from 0800 until 1700. The scope of this ECM is to replace the window unit with a high-efficiency mini-split heat pump. The heat pump stand-alone controller will be scheduled to implement night setback.	\$35,585.44		\$0.00	\$0.00	\$35,585.44	\$0.00
199	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	An 80,000 Btuh suspended natural gas unit heater provides heat for the dining area. During the survey it was noted that the flue is partially disconnected in the space and in need of repair. The unit heater is manually controlled and the room is typically occupied from 0300 until 1900. The scope of this ECM is to replace the inefficient unit with a high-efficiency ducted condensing furnace. The scope also includes installation of a network programmable thermostat to implement night setback.	\$62,274.52		\$0.00	\$0.00	\$62,274.52	\$0.00
200	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	Dorm D is heated by (3) suspended unit heaters. Two (2) roof exhaust fans that are equipped with gravity dampers operate during the summer to assist in cooling. A total of (2) circulation fans operate to distribute air throughout the dorms. During the survey, it was noted that unit heaters were energized while roof exhaust fans were running. All controls are manual. The scope of this ECM is to replace the suspended unit heaters with a single efficient ducted condensing furnace. Network thermostats will be located in the return air duct.	\$74,729.42		\$0.00	\$0.00	\$74,729.42	\$0.00
201	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	Dorm A is heated by (2) suspended unit heaters. Two (2) roof exhaust fans that are equipped with gravity dampers operate during the summer to assist in cooling. A total of (2) circulation fans operate to distribute air throughout the dorms. During the survey, it was noted that unit heaters were energized while roof exhaust fans were running. All controls are manual. The scope of this ECM is to replace the suspended unit heaters with a single efficient ducted condensing furnace. Network thermostats will be located in the return air duct.	\$74,729.42		\$0.00	\$0.00	\$74,729.42	\$0.00

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202	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	Dorm B is heated by (2) suspended unit heaters. Two (2) roof exhaust fans that are equipped with gravity dampers operate during the summer to assist in cooling. A total of (2) circulation fans operate to distribute air throughout the dorms. During the survey, it was noted that unit heaters were energized while roof exhaust fans were running. All controls are manual. The scope of this ECM is to replace the suspended unit heaters with a single efficient ducted condensing furnace. Network thermostats will be located in the return air duct.	\$74,729.42		\$0.00	\$0.00	\$74,729.42	\$0.00
203	HVAC System Upgrades	JCI nonARRA	Frank Lee WR	Dorm C is heated by (2) suspended unit heaters. Two (2) roof exhaust fans that are equipped with gravity dampers operate during the summer to assist in cooling. A total of (2) circulation fans operate to distribute air throughout the dorms. During the survey, it was noted that unit heaters were energized while roof exhaust fans were running. All controls are manual. The scope of this ECM is to replace the suspended unit heaters with a single efficient ducted condensing furnace. Network thermostats will be located in the return air duct.	\$74,729.42		\$0.00	\$0.00	\$74,729.42	\$0.00
185	HVAC System Upgrades	JCI nonARRA	Fountain CF	Replace existing 3 ton split unit (gas heat) with new 3 ton split system Heat Pump. Move existing cooler compressor skids to roof of snack area to eliminate heat from Snack Room. Rework wood return plenums. Install new programmable thermostat.	\$35,848.77		\$0.00	\$0.00	\$35,848.77	\$0.00
186	HVAC System Upgrades	JCI nonARRA	Fountain CF	Replace two (2) 10 ton packaged RTUs with new 10 ton split systems, with gas heating. Existing package units are exhausting in attic.	\$84,416.69		\$0.00	\$0.00	\$84,416.69	\$0.00
394	HVAC System Upgrades	NOR ARRA	Hamilton CBF	EMS	\$4,250.40		\$0.00	\$4,250.40	\$0.00	\$0.00
402	HVAC System Upgrades	NOR ARRA	Hamilton CBF	EMS	\$3,043.30		\$0.00	\$3,043.30	\$0.00	\$0.00
406	HVAC System Upgrades	NOR ARRA	Holman CF	EMS	\$10,124.90		\$0.00	\$10,124.90	\$0.00	\$0.00
415	HVAC System Upgrades	NOR ARRA	Kilby CF	EMS	\$22,509.40		\$0.00	\$22,509.40	\$0.00	\$0.00
104	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1 Calhoun Trd Sch Autobody & Welding DDC Controls	\$1,458.00	\$1,458.00	\$0.00	\$0.00	\$0.00	\$0.00
105	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1.1 Maint Shop DDC Controls	\$515.16	\$515.16	\$0.00	\$0.00	\$0.00	\$0.00
106	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1.1 Calhoun Training Cntr - Hotri DDC Controls	\$1,458.00	\$1,458.00	\$0.00	\$0.00	\$0.00	\$0.00
107	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1 Capt Off DDC Controls	\$1,856.52	\$1,856.52	\$0.00	\$0.00	\$0.00	\$0.00
108	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1 Canteen DDC Controls	\$972.00	\$972.00	\$0.00	\$0.00	\$0.00	\$0.00
109	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1.1 Veh Maint DDC Controls	\$2,575.80	\$2,575.80	\$0.00	\$0.00	\$0.00	\$0.00
110	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1 Aux Chapel Split System Controls	\$1,542.24	\$1,542.24	\$0.00	\$0.00	\$0.00	\$0.00
111	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1 Dorm B,C,D,E,I,J,K,L DDC Controls	\$162,856.98	\$162,856.98	\$0.00	\$0.00	\$0.00	\$0.00
125	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.1 Laundry Gas Unit Heater Programmable Themostat	\$1,030.32	\$1,030.32	\$0.00	\$0.00	\$0.00	\$0.00
126	HVAC System Upgrades	JCI ARRA	Limestone CF	LIM 9.5.3 Kitch Eliminate Steam Boiler	\$80,256.89	\$80,256.89	\$0.00	\$0.00	\$0.00	\$0.00
219	HVAC System Upgrades	JCI nonARRA	Limestone CF	At present, supply and return for the RTU is together and at the ceiling level and short circuiting. Rework supply and return ductwork to extend return to sidewall of dorm. Extend supply ductwork with new four way diffusers for each of eight rooftop units. Implement DDC controls for ventilation fans, RTUs and wall mount heat pump units serving the Dorm F	\$198,090.47		\$0.00	\$0.00	\$198,090.47	\$0.00
220	HVAC System Upgrades	JCI nonARRA	Limestone CF	Install DDC for the AHU serving the shift office space	\$22,424.16		\$0.00	\$0.00	\$22,424.16	\$0.00

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221	HVAC System Upgrades	JCI nonARRA	Limestone CF	Existing pneumatically controlled air handlers serving this area were designed as constant volume with variable volume terminal units without reheat. The ahu's are in need of replacement. The existing pneumatic system is non-functional. Scope includes replacing (5) existing AHUs in east and west mech room in admin bldg. The new units shall be equipped with packaged controls including economizer control. The existing VAV boxes with be retrofitted with new controllers and perimeter heating will be added. Replace existing pneumatic controls with DDC for (3) AHUs in east wing and (2) west wing mechanical rooms. Existing old 3-way HW pneumatic control valves will be replaced with electric 3-way control valve as part of entire building control system upgrade to electric DDC system. Existing natural gas fired wall mounted gas heaters will be removed.	\$1,583,193.96		\$0.00	\$0.00	\$1,583,193.96	\$0.00
223	HVAC System Upgrades	JCI nonARRA	Limestone CF	Upgrade all hydronic heating pipe fittings and insulation. Includes replacement of 180' of pipe and fittings.	\$28,053.16		\$0.00	\$0.00	\$28,053.16	\$0.00
225	HVAC System Upgrades	JCI nonARRA	Limestone CF	Approximately 100 feet of existing ductwork serving the medical unit is partially collapsed and broken and will be replaced to minimize leakage losses and improve space temperature control.	\$41,660.26		\$0.00	\$0.00	\$41,660.26	\$0.00
226	HVAC System Upgrades	JCI nonARRA	Limestone CF	Room #4 & 7 in the infirmary are served by old inefficient split system units with electric heat. The scope of this ECM is to replace existing units with (2) new heat pump units with gas backup. Install programmable thermostat to for temperature control.	\$53,289.19		\$0.00	\$0.00	\$53,289.19	\$0.00
228	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing (1) split system unit serving office area in the construction trade shop with new heat pump unit. Install programmable thermostat for the new heat pump system unit to implement scheduling and night setback. Install programmable thermostat for the existing (1) gas unit heater to implement scheduling and night setback	\$31,208.43		\$0.00	\$0.00	\$31,208.43	\$0.00
229	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing (1) split system unit serving office area in the auto mechanic trade shop. Install programmable thermostat for the new split system unit to implement scheduling and night setback. Install programmable thermostats for the existing (3) gas radiant unit heaters to implement scheduling and night setback	\$21,618.15		\$0.00	\$0.00	\$21,618.15	\$0.00
231	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing old 85-ton R-22 air cooled chiller at east wing mechanical room with a new high efficiency R-134A air-cooled chiller.	\$319,913.10		\$0.00	\$0.00	\$319,913.10	\$0.00
232	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing 3-ton packaged unit serving Law Library with a high efficiency packaged heat pump unit. Install network programmable thermostat to implement scheduling and night setback.	\$43,887.59		\$0.00	\$0.00	\$43,887.59	\$0.00
233	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing (1) gas furnace serving office and store area in the upholstery shop and install programmable thermostat.	\$20,057.73		\$0.00	\$0.00	\$20,057.73	\$0.00
234	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing AHU and outdoor condensing unit with properly sized energy efficient AHU and condensing unit.	\$57,943.84		\$0.00	\$0.00	\$57,943.84	\$0.00
235	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing (1) split system unit serving guard cube with properly sized energy efficient split system unit with manual thermostat.	\$199,278.46		\$0.00	\$0.00	\$199,278.46	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
236	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing (1) split system unit serving admin office space with properly sized energy efficient split system unit. Install programmable thermostat for the proposed ductless split AC unit serving the admin office area. Replace existing (1) through the wall packaged AC unit serving guard office next to admin area with a properly sized. Install programmable thermostat for the new unit serving the guard office next to admin area. Replace existing (1) packaged all electric AC unit serving the chapel with a properly sized packaged unit with gas heat. ductless split AC unit. Install programmable thermostat for the new ductless split AC unit serving the chapel.	\$105,525.92		\$0.00	\$0.00	\$105,525.92	\$0.00
237	HVAC System Upgrades	JCI nonARRA	Limestone CF	The two (2) existing AHUs serving Infirmary are old and inefficient. The scope of this ECM is to replace two (2) existing units with new two (2) high efficiency AHUs with DX cooling and economizer control. The condensing units will also be replaced with properly sized condensing units matching the new DX coils. Install DDC to implement scheduling and night setback where applicable.	\$165,036.37		\$0.00	\$0.00	\$165,036.37	\$0.00
238	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing 7.5-ton split system unit serving gym chapel area with a high efficiency heat pump unit with aux heat. Install network programmable thermostat to implement scheduling and night setback.	\$32,473.39		\$0.00	\$0.00	\$32,473.39	\$0.00
239	HVAC System Upgrades	JCI nonARRA	Limestone CF	Eliminate (2) split system units with electric heat serving the Calhoun Drafting Area. (these units are top discharge and do not have associated ductwork.) Install properly sized packaged heat pump unit with auxiliary gas heat to serve the entire Calhoun Drafting area. Install DDC system to implement scheduling and night setback.	\$28,326.01		\$0.00	\$0.00	\$28,326.01	\$0.00
240	HVAC System Upgrades	JCI nonARRA	Limestone CF	Command center is currently served by old inefficient split system unit. The scope of this ECM is to replace existing split system unit with a new high efficiency split system unit to serve command center. Install programmable thermostat for temperature control.	\$23,548.66		\$0.00	\$0.00	\$23,548.66	\$0.00
242	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing (8) natural gas fired unit heaters with properly sized two (2) indoor separated combustion ducted gas furnace/s. Utilize heating and recirculating with minimum outside air. Install DDC controls on proposed indoor separated combustion duct furnace/s for improved temperature control.	\$103,856.18		\$0.00	\$0.00	\$103,856.18	\$0.00
243	HVAC System Upgrades	JCI nonARRA	Limestone CF	Retrofit existing H&V unit with new two-speed motor; new motor controller and new breaker at panel. Unit will be serving Chapel, Law Library, Hobby and Craft and Sports Director office	\$65,359.61		\$0.00	\$0.00	\$65,359.61	\$0.00
244	HVAC System Upgrades	JCI nonARRA	Limestone CF	There are two a/c systems serving the Calhoun area. The GED side has an old split system in poor condition. The other is a new packaged system serving the ABE side and is in good condition. Replace existing (1) split system unit serving GED side of the building space with properly sized energy efficient heat pump split system unit. Install programmable for the new split system heat pump unit to implement scheduling and night setback. Install programmable for existing packaged system unit serving ABE side to implement scheduling and night setback.	\$19,543.52		\$0.00	\$0.00	\$19,543.52	\$0.00
245	HVAC System Upgrades	JCI nonARRA	Limestone CF	Replace existing split system unit with properly sized unit. Install programmable thermostat system on new split a/c system to implement scheduling and night setback	\$26,644.60		\$0.00	\$0.00	\$26,644.60	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
247	HVAC System Upgrades	JCI nonARRA	Limestone CF	Decommission existing pneumatic control air compressor in west wing mechanical room as this unit will no longer be required with the new DDC system.	\$9,392.58		\$0.00	\$0.00	\$9,392.58	\$0.00
248	HVAC System Upgrades	JCI nonARRA	Limestone CF	Decommission existing (2) old walk-in freezers in the hobby craft area in Dorm H. One of the freezers is currently used by Canteen for storage. The other walk-in freezer is mostly empty. Install (1) 65-75 cu.ft. reach-in freezer (True T-72 or equivalent) in Canteen as a replacement.	\$12,386.99		\$0.00	\$0.00	\$12,386.99	\$0.00
425	HVAC System Upgrades	NOR ARRA	Loxley CBF/CWC	EMS	\$10,124.90		\$0.00	\$10,124.90	\$0.00	\$0.00
131	HVAC System Upgrades	JCI ARRA	Mobile CBF	MOB 10.1 Mech Rm Rebuild	\$67,771.50	\$67,771.50		\$0.00	\$0.00	\$0.00
257	HVAC System Upgrades	JCI nonARRA	Mobile CBF	Replace existing 350 MBH Resnor duct heater with new packaged gas fired heating unit, and locate outside of Dorm building. The new unit will provide 100% of the heating requirement in the winter, and the system airside controls will be reversed during the summer months, in order to provide 100% of the ventilation requirements.	\$28,155.25		\$0.00	\$0.00	\$28,155.25	\$0.00
258	HVAC System Upgrades	JCI nonARRA	Mobile CBF	Replace 3.5 split system heat pump with new 3.5 ton natural gas packaged unit.	\$21,706.73		\$0.00	\$0.00	\$21,706.73	\$0.00
259	HVAC System Upgrades	JCI nonARRA	Mobile CBF	Replace two (2) existing window AC units and existing under floor heating units, with two (2) new "Bard" through the wall heating and cooling units.	\$19,772.71		\$0.00	\$0.00	\$19,772.71	\$0.00
119	HVAC System Upgrades	JCI ARRA	Montgomery Womens Facility	MNT 9.3.1 Main Building - HVAC Unit Replacement	\$60,102.00	\$60,102.00		\$0.00	\$0.00	\$0.00
120	HVAC System Upgrades	JCI ARRA	Montgomery Womens Facility	MNT 9.3.0 Dorm A - HVAC Unit Replacement	\$158,134.00	\$158,134.00		\$0.00	\$0.00	\$0.00
263	HVAC System Upgrades	JCI nonARRA	Montgomery Womens Facility	The administrative area is served by a split system and is occupied from 0800 until 1700, Monday thru Friday. Heating is provided by a natural gas furnace located in the attic and cooling is provided by a RUUD condensing unit. Controls are Manual thermostats. The scope of this ECM is to replace the existing system with a high efficiency condensing furnace/DX system, Install programmable stand-alone thermostats to implement night setback.	\$44,481.80		\$0.00	\$0.00	\$44,481.80	\$0.00
264	HVAC System Upgrades	JCI nonARRA	Montgomery Womens Facility	The healthcare area is heated and cooled by (3) inefficient window units. The scope of this ECM is to replace the (3) units with a single multi-zone high-efficiency mini-split heat pump system. The stand-alone heat pump controls will be scheduled to implement night setback.	\$44,481.80		\$0.00	\$0.00	\$44,481.80	\$0.00
265	HVAC System Upgrades	JCI nonARRA	Montgomery Womens Facility	The dining room and the kitchen are heated by (2) inefficient suspended natural gas unit heaters and are occupied from 0300 until 1800, 7 days per week. The dining room and the kitchen have (2) wall exhaust fans, (1) per area, which are utilized to help cool the spaces in summer. Each has a make-up air damper on the opposing wall which is supposed to seal well when closed. The dampers do not appear to seal well when closed. The scope of this ECM is to replace the inefficient units with high-efficiency ducted condensing furnaces with minimum outdoor air, install motorized dampers for makeup air (keep existing louver) and install a programmable stand alone thermostat to monitor temperatures and implement night setback. The interlock the wall exhaust fans with the furnaces to disable the furnaces whenever exhaust fans are energized. Exhaust fans will be locked out when temperatures are below 55 F Outside.	\$62,274.52		\$0.00	\$0.00	\$62,274.52	\$0.00
431	HVAC System Upgrades	NOR ARRA	Red Eagle Honor Farm	EMS	\$12,469.60		\$0.00	\$12,469.60	\$0.00	\$0.00
113	HVAC System Upgrades	JCI ARRA	Staton CF	STA 9.1.2 Dorm B - HVAC Controls Upgrade	\$13,483.45	\$13,483.45		\$0.00	\$0.00	\$0.00
114	HVAC System Upgrades	JCI ARRA	Staton CF	STA 9.1 Dorm A - HVAC Controls Upgrade	\$17,565.24	\$17,565.24		\$0.00	\$0.00	\$0.00
115	HVAC System Upgrades	JCI ARRA	Staton CF	STA 9.1.1 Dorm B - HVAC Controls Upgrade	\$43,822.94	\$43,822.94		\$0.00	\$0.00	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO
116	HVAC System Upgrades	JCI ARRA	Staton CF	STA 9.1 Dorm E-F - HVAC Controls Upgrade	\$29,798.57	\$29,798.57	\$0.00	\$0.00	\$0.00
117	HVAC System Upgrades	JCI ARRA	Staton CF	STA 9.1 Main Building - HVAC Controls Upgrade	\$8,495.28	\$8,495.28	\$0.00	\$0.00	\$0.00
118	HVAC System Upgrades	JCI ARRA	Staton CF	STA 9.1 Dorm C-D - HVAC Controls Upgrade	\$29,800.29	\$29,800.29	\$0.00	\$0.00	\$0.00
298	HVAC System Upgrades	JCI nonARRA	Staton CF	Sixteen (16) wall exhaust fans are located in the dorm which are utilized to help cool the spaces in summer. The scope of this ECM is to replace existing exhaust dampers with motorized dampers that are well sealed.	\$169,942.23	\$0.00	\$0.00	\$169,942.23	\$0.00
299	HVAC System Upgrades	JCI nonARRA	Staton CF	Sixteen (16) wall exhaust fans are located in the dorm which are utilized to help cool the spaces in summer. The scope of this ECM is to replace existing exhaust dampers with motorized dampers that are well sealed.	\$169,942.23	\$0.00	\$0.00	\$169,942.23	\$0.00
300	HVAC System Upgrades	JCI nonARRA	Staton CF	The officer cube area is served by a n inefficient split-system. Heating is provided by electric resistance heaters and cooling is provided by an air-cooled condensing unit. The unit is controlled by a manual thermostat. The scope of this ECM is to install a programmable network thermostat to monitor and ensure temperatures are optimized.	\$5,239.96	\$0.00	\$0.00	\$5,239.96	\$0.00
301	HVAC System Upgrades	JCI nonARRA	Staton CF	The administrative section of the chapel is heated and cooled by a natural gas/DX split system. Controls are manual and the space is occupied from 0800 until 2000, 7 days per week. The scope of this ECM is to install programmable network thermostats and set back at night.	\$15,404.13	\$0.00	\$0.00	\$15,404.13	\$0.00
302	HVAC System Upgrades	JCI nonARRA	Staton CF	The classroom and nurse station area are both served by an inefficient split-system. Heating is provided by electric resistance heat and cooling is provided by a 4 ton air-cooled condensing unit (Inter-cycle CA5548VKD1). The unit is controlled by a manual thermostat. The space is typically occupied from 0700 until 1400, 5 days per week. The scope of this ECM is to install a programmable network thermostat to monitor and schedule temperatures for unoccupied hours.	\$5,238.18	\$0.00	\$0.00	\$5,238.18	\$0.00
303	HVAC System Upgrades	JCI nonARRA	Staton CF	RTU 8 serves the holding area, dentist and emergency room. The ER is occupied 24 hours per day, 7 days per week, the other areas are occupied from 0800 until 1700, 5 days per week. Controls are manual. A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at the rooftop unit; the outdoor air intake is manually shut, but some air can still enter through cracks. The scope of this work is to replace the rooftop unit with (2) efficient units (1 for ER and 1 for other zones) equipped with a condensing furnace; outdoor air will be ducted to a place beyond the canopy. Install Metasys controls to optimize temperatures and set the dental and holding area temperatures back at night.	\$126,769.57	\$0.00	\$0.00	\$126,769.57	\$0.00
304	HVAC System Upgrades	JCI nonARRA	Staton CF	A furnace supplies heated air for 3 holding cells. The furnace is a standard efficiency unit and is manually controlled by a thermostat located in the guard cube. The holding cells house mentally unstable inmates and no cooling is presently provided. NOTE: These cells are used to hold mentally ill patients; as a result, the spaces should be air-conditioned to maintain a temperature threshold. The scope of this work is to replace the furnace with a high efficiency unit condensing furnace. An additional scope of installing an efficient DX split system to provide cooling for this area will be evaluated.	\$75,088.83	\$0.00	\$0.00	\$75,088.83	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
305	HVAC System Upgrades	JCI nonARRA	Staton CF	The officer lounge section is heated and cooled by a packaged natural gas/DX rooftop unit (RTU2). A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at rooftop units; there is no outdoor air intake, but some air can still enter through cracks. The scope of this work is to replace the existing rooftop unit with a high efficiency unit; outdoor air will be ducted to a place beyond the canopy. Install network control thermostat and connect to Metasys controls to optimize temperatures and set temperatures back at night.	\$61,459.61		\$0.00	\$0.00	\$61,459.61	\$0.00
306	HVAC System Upgrades	JCI nonARRA	Staton CF	The law library shift command offices and holding cell are heated and cooled by a packaged natural gas/ 3-ton DX rooftop unit (RTU5). A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at each rooftop unit; the outdoor air intakes are all manually shut, but some air can still enter through cracks. The scope of this work is to replace the existing rooftop unit with a high efficiency unit; outdoor air will be ducted to a place beyond the canopy. Install network control thermostat and connect to Metasys controls to optimize temperatures and set temperatures back at night.	\$54,342.52		\$0.00	\$0.00	\$54,342.52	\$0.00
307	HVAC System Upgrades	JCI nonARRA	Staton CF	The law library is heated and cooled by a packaged natural gas/DX rooftop unit (RTU4). A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at each rooftop unit; the outdoor air intakes are all manually shut, but some air can still enter through cracks. The scope of this work is to replace the existing rooftop unit with a high efficiency unit; outdoor air will be ducted to a place beyond the canopy. Install network control thermostat and connect to Metasys controls to optimize temperatures and set temperatures back at night.	\$52,492.08		\$0.00	\$0.00	\$52,492.08	\$0.00
308	HVAC System Upgrades	JCI nonARRA	Staton CF	The classroom and nurse station area are both served by an inefficient split-system. Heating is provided by electric resistance heat and cooling is provided by a 4 ton air-cooled condensing unit (Inter-cycle CA5548VKD1). The unit is controlled by a manual thermostat. The space is typically occupied from 0700 until 1400, 5 days per week. The scope of this ECM is to replace the split system with a high efficiency Nat Gas/DX split system.	\$35,051.66		\$0.00	\$0.00	\$35,051.66	\$0.00
309	HVAC System Upgrades	JCI nonARRA	Staton CF	The Warden's office, front admin offices are heated and cooled by a packaged natural gas/DX rooftop unit (RTU1). A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at rooftop units; There is no outdoor air, but some air can still enter through cracks. The scope of this work is to replace the existing rooftop unit with a high efficiency unit; outdoor air will be ducted to a place beyond the canopy. Install network control thermostat and connect to Metasys controls to optimize temperatures and set temperatures back at night.	\$69,238.59		\$0.00	\$0.00	\$69,238.59	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
310	HVAC System Upgrades	JCI nonARRA	Staton CF	HV2 is a natural gas heating-only rooftop unit that serves the dining room (to be relocated) , the common area, a kitchen storage room (to be relocated) and the kitchen office. Controls area manual. The scope of this ECM is to replace HV2 with a new condensing furnace to serve the common area only. Install an efficient mini-split heat pump to serve the kitchen admin area.	\$123,858.68		\$0.00	\$0.00	\$123,858.68	\$0.00
311	HVAC System Upgrades	JCI nonARRA	Staton CF	The ICS room was originally served by RTU5; however, the ductwork has been disconnected and capped and a dedicated window unit provides cooling for this room. The scope of this ECM is to install an efficient mini-split heat pump to serve this area.	\$37,624.48		\$0.00	\$0.00	\$37,624.48	\$0.00
312	HVAC System Upgrades	JCI nonARRA	Staton CF	The snack line room is heated by an electric resistance furnace and cooled by an inefficient 1.5 ton DX condensing unit (Nordyne FT3BA-018KA). The scope of this ECM is to install an efficient mini-split heat pump to serve this area. Controls will be programmed to set temperatures back at night.	\$37,624.48		\$0.00	\$0.00	\$37,624.48	\$0.00
313	HVAC System Upgrades	JCI nonARRA	Staton CF	The drug lab is served by RTU3, however, it's load varies significantly from other areas served by RTU3. As a result, officers have tried to close RTU3 supply air diffusers in the room and have installed a window unit. According to personnel, the window unit runs 24 hours per day, 365 days per year in an effort to keep the room comfortable; cooling and heating often operate simultaneously. The scope of the ECM is to remove the lab from RTU3 and install a dedicated energy efficient rooftop unit to serve this area.	\$67,687.06		\$0.00	\$0.00	\$67,687.06	\$0.00
314	HVAC System Upgrades	JCI nonARRA	Staton CF	RTU 7 serves the front administrative areas The administrative areas are occupied from 0800 until 1700, 5 days per week. Controls are manual. A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at the rooftop unit; the outdoor air intake is manually shut, but some air can still enter through cracks. The scope of this work is to replace the rooftop unit with an efficient unit equipped with a condensing furnace; outdoor air will be ducted to a place beyond the canopy. Install Metasys controls to optimize temperatures and set the two front admin areas back at night.	\$130,801.40		\$0.00	\$0.00	\$130,801.40	\$0.00
315	HVAC System Upgrades	JCI nonARRA	Staton CF	The officer cube area is served by a n inefficient split-system. Heating is provided by electric resistance heaters and cooling is provided by an air-cooled condensing unit. The unit is controlled by a manual thermostat. The scope of this ECM is to replace the split system with a high efficiency Nat Gas/DX split system.	\$26,689.08		\$0.00	\$0.00	\$26,689.08	\$0.00
316	HVAC System Upgrades	JCI nonARRA	Staton CF	RTU 10 and RTU 11 serve the rear areas of the building which is occupied 24 hours per day, 7 days per week. Controls are manual. A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at the rooftop unit; the outdoor air intake is manually shut, but some air can still enter through cracks. The scope of this work is to replace the rooftop units with efficient units equipped with a condensing furnace; outdoor air will be ducted to a place beyond the canopy. Install Metasys controls to optimize temperatures	\$108,976.85		\$0.00	\$0.00	\$108,976.85	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
317	HVAC System Upgrades	JCI nonARRA	Staton CF	The sanctuary is heated and cooled by (2) natural gas/ DX split systems. Heating is provided by old and inefficient furnaces located in closets behind the pulpit area. Controls area manual. The space is typically utilized between 0800 and 2000, 7 days per week. The scope of this ECM is to replace the existing system with high efficiency condensing furnaces and high efficiency condensing units. Install programmable network thermostats to optimize temperatures and allow night setback.	\$88,860.40		\$0.00	\$0.00	\$88,860.40	\$0.00
318	HVAC System Upgrades	JCI nonARRA	Staton CF	RTU 9 serves the central administrative area and the guard cube; it is the only rooftop unit equipped with electric resistance heat. The cube is occupied 24 hours per day, 7 days per week, the other areas are occupied from 0800 until 1700, 5 days per week. Controls are manual. A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at the rooftop unit; the outdoor air intake is manually shut, but some air can still enter through cracks. The scope of this work is to replace the rooftop unit with an efficient units equipped with a condensing furnace; outdoor air will be ducted to a place beyond the canopy. The guard cube will be disconnected from the unit. Install Metasys controls to optimize temperatures and set the dental and holding area temperatures back at night. Install an efficiently mini-split system heat pump to serve the guard room. Install a transfer duct from the adjacent corridor to provide air outside air to the guard cube.	\$92,883.33		\$0.00	\$0.00	\$92,883.33	\$0.00
319	HVAC System Upgrades	JCI nonARRA	Staton CF	The middle administrative area is heated and cooled by a packaged natural gas/DX rooftop unit (RTU3). RTU3 also serves the lab; according to lab operators, they keep a window air conditioner running continuously throughout the year. They try to damper down hot air from RTU3 (when in heating mode), but some hot air continues to blow into the space, increasing both heating and cooling requirements. A canopy extends the length of the building over the roof; pigeons next on the underside of the canopy. Bird waste creates a breathing hazard as outside air can be brought in at the rooftop unit; the outdoor air intake is manually shut, but some air can still enter through cracks. The scope of this work is to replace the existing rooftop unit with (2) high efficiency units; one unit will serve the labs and 1 unit will serve the middle admin areas. Outdoor air will be ducted to a place beyond the canopy. The new unit will be designed to serve the Install network control thermostat and connect to Metasys controls to optimize temperatures and set temperatures back at night.	\$103,272.50		\$0.00	\$0.00	\$103,272.50	\$0.00
320	HVAC System Upgrades	JCI nonARRA	Staton CF	The laundry area is heated only. A Reznor rooftop unit provides heating for one section and a suspended natural gas unit heater provides heating for the other. There area (2) open wall penetrations where exhaust fans are located and two penetrations for old dryer vents that were removed. One exhaust fan has missing gravity dampers and the other has dampers that do not close well. The scope of this ECM is to replace the Reznor unit with a high efficiency condensing furnace and extend ductwork to serve the area now served by the unit heater. Install new automated dampers on exhaust fans and block dryer vent penetrations.	\$148,291.64		\$0.00	\$0.00	\$148,291.64	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
321	HVAC System Upgrades	JCI nonARRA	Staton CF	Inmate dorm rooms are heated by (2) Reznor 400,000 Btuh natural gas rooftop units and (4) Tappan 200,000 Btuh units. Dorm rooms are on each side of a central corridor which is lower in height than the dorm rooms. The rooftop units are located on this lower roof; supply and return air is ducted through the wall of each dorm at a height of approximately 16 feet. Ductwork is not extended into the space and the supply air is relatively close to return air. A canopy extends over all of the rooftop units; pigeons nest on underside beams of the canopy and there is a significant amount of pigeon waste around the units. The scope of this ECM is to replace the (6) heating-only rooftop units with (8) high efficiency condensing units. Minimum outdoor air will be ducted beyond the canopy for fresh air. Extend supply air ductwork into the space and install high throw diffusers. Install programmable network thermostats for temperature control and monitoring. If needed for freeze protection, house each furnace in a well insulated and sealed enclosure next to the exterior wall of each dorm. Install a small fan to circulate air from heated s	\$588,836.30		\$0.00	\$0.00	\$588,836.30	\$0.00
322	HVAC System Upgrades	JCI nonARRA	Staton CF	Inmate dorm rooms are heated by (2) Reznor 400,000 Btuh natural gas rooftop units and (4) Tappan 200,000 Btuh units. Dorm rooms are on each side of a central corridor which is lower in height than the dorm rooms. The rooftop units are located on this lower roof; supply and return air is ducted through the wall of each dorm at a height of approximately 16 feet. Ductwork is not extended into the space and the supply air is relatively close to return air. A canopy extends over all of the rooftop units; pigeons nest on underside beams of the canopy and there is a significant amount of pigeon waste around the units. The scope of this ECM is to replace the (6) heating-only rooftop units with (8) high efficiency condensing units. Minimum outdoor air will be ducted beyond the canopy for fresh air. Extend supply air ductwork into the space and install high throw diffusers. Install programmable network thermostats for temperature control and monitoring. If needed for freeze protection, house each furnace in a well insulated and sealed enclosure next to the exterior wall of each dorm. Install a small fan to circulate air from heated s	\$588,553.38		\$0.00	\$0.00	\$588,553.38	\$0.00
323	HVAC System Upgrades	JCI nonARRA	Staton CF	Dorm A is a large open-area inmate housing building which is heated by (6) inefficient suspended natural gas unit heaters. Six (6) circulation fans are utilized in the summer to keep air moving throughout the facility. The scope of this ECM is to replace the inefficient units with one high-efficiency ducted condensing furnace. The scope also includes installation of a programmable network thermostat to monitor temperatures and ensure temperatures are optimized. Interlock the wall exhaust fans with the furnaces to disable the furnaces whenever exhaust fans are energized.	\$95,692.80		\$0.00	\$0.00	\$95,692.80	\$0.00
324	HVAC System Upgrades	JCI nonARRA	Staton CF	There are (2) officer cubes; each cube is served by a packaged Lennox CHA9 with electric heat and DX cooling. The scope of this ECM is to replace the existing units with high efficiency mini-split system heat pumps.	\$34,537.09		\$0.00	\$0.00	\$34,537.09	\$0.00
325	HVAC System Upgrades	JCI nonARRA	Staton CF	There are (2) officer cubes; each cube is served by a packaged Lennox CHA9 with electric heat and DX cooling. The scope of this ECM is to replace the existing units with high efficiency mini-split system heat pumps.	\$29,376.10		\$0.00	\$0.00	\$29,376.10	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESKO	JCI	NORESKO	
326	HVAC System Upgrades	JCI nonARRA	Staton CF	Inmate dorm rooms are heated by (2) Reznor 400,000 Btuh natural gas rooftop units and (4) Tappan 200,000 Btuh units. Dorm rooms are on each side of a central corridor which is lower in height than the dorm rooms. The rooftop units are located on this lower roof; supply and return air is ducted through the wall of each dorm at a height of approximately 16 feet. Ductwork is not extended into the space and the supply air is relatively close to return air. Due to ducting and room height, hot air tends to remain near the ceiling and supply air is likely short-cycling into the return air duct. Each dorm has a ceiling fan that is intended to circulate air from the ceiling to the occupied space to reduce this air stratification. According to personnel, fans are insufficient. The scope of this ECM is to install Airius destratification fans in each dorm to even out temperatures and lower heating requirements.	\$84,553.01		\$0.00	\$0.00	\$84,553.01	\$0.00
327	HVAC System Upgrades	JCI nonARRA	Staton CF	Inmate dorm rooms are heated by (2) Reznor 400,000 Btuh natural gas rooftop units and (4) Tappan 200,000 Btuh units. Dorm rooms are on each side of a central corridor which is lower in height than the dorm rooms. The rooftop units are located on this lower roof; supply and return air is ducted through the wall of each dorm at a height of approximately 16 feet. Ductwork is not extended into the space and the supply air is relatively close to return air. Due to ducting and room height, hot air tends to remain near the ceiling and supply air is likely short-cycling into the return air duct. Each dorm has a ceiling fan that is intended to circulate air from the ceiling to the occupied space to reduce this air stratification. According to personnel, fans are insufficient. The scope of this ECM is to install Airius destratification fans in each dorm to even out temperatures and lower heating requirements.	\$84,553.01		\$0.00	\$0.00	\$84,553.01	\$0.00
127	HVAC System Upgrades	JCI ARRA	St Clair CF	STC 9.5 Chem Shop	\$50,483.95	\$50,483.95	\$0.00		\$0.00	\$0.00
128	HVAC System Upgrades	JCI ARRA	St Clair CF	STC 9.5 Laundry	\$45,934.65	\$45,934.65	\$0.00		\$0.00	\$0.00
268	HVAC System Upgrades	JCI nonARRA	St Clair CF	The dorm is served by existing (8) natural gas fired unit heaters located through out the dorm. The scope of this ECM is to replace existing gas unit heaters with properly sized (2) new indoor AHUs with separated combustion duct furnaces. Utilize heating and recirculating with minimum outside air. The scope of this ECM also includes installation of programmable thermostats on the proposed AHUs.	\$134,864.12		\$0.00	\$0.00	\$134,864.12	\$0.00
269	HVAC System Upgrades	JCI nonARRA	St Clair CF	The dialysis center was constructed in year 2007 & 2008. The dialysis center is served by (4) split system units with electric heat. The split units are controlled by programmable thermostats. The scope of this ECM is to install network programmable thermostats for all (4) split units to implement scheduling and night setback for office areas.	\$50,604.42		\$0.00	\$0.00	\$50,604.42	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
270	HVAC System Upgrades	JCI nonARRA	St Clair CF	The G block dorms J,K,L,M,N,O,P and Q have similar HVAC systems. Currently the inmate cell areas in each dorm are served by (1) multizone heating only AHUs. The pneumatic controls on these multizone units are non-functional. The multizone units run 24x7. The scope of this ECM is to retrofit and recommission existing heating only multizone AHUs. This will include installing new energy efficient motors on SF,EF,OAF, electric damper actuators, 2-way control valve, reseal unit joints (where applicable), reinsulate units (where applicable), unit safeties (high/low limits), belt guards, repairs on air-to-air heat exchanger (if applicable). DDC controls will be installed on total of (8) multizone AHUs to implement scheduling and night setback through BMS.	\$1,198,962.09		\$0.00	\$0.00	\$1,198,962.09	\$0.00
271	HVAC System Upgrades	JCI nonARRA	St Clair CF	The social services office area is served by (1) 15-ton RTU. The regular working hours for the office area are 8-5, 5days a week. Only the canteen area is occupied by the guard on duty. The scope of this ECM is to replace older 15-ton RTU with a high efficiency 10-ton RTU with economizer. A properly sized heat pump unit with aux electric heat will be installed for the canteen area. Programmable thermostats will be installed on the RTU and heat pump units to implement scheduling and night setback through BMS.	\$112,857.80		\$0.00	\$0.00	\$112,857.80	\$0.00
272	HVAC System Upgrades	JCI nonARRA	St Clair CF	The admin bldg is served by a 15-ton RTU. The RTU does not have fresh air intake. The RTU is currently controlled by a non-programmable thermostat. The regular office hours are 8.00am-5.00pm except the guard station at the entrance with metal detector gate which is part of this admin area is manned 24x7. The scope of this ECM is to replace old less efficient RTU with (2) 7.5-ton RTUs with economizer. One RTU will serve the office area and other RTU will serve the guard station and hallway leading to the command center. This will include necessary ductwork modifications. Programmable thermostats will be installed for the (2) proposed RTUs to implement scheduling and night setback through BMS.	\$191,232.68		\$0.00	\$0.00	\$191,232.68	\$0.00
273	HVAC System Upgrades	JCI nonARRA	St Clair CF	The infirmary area is served by (1) 10-ton and (1) 15-ton RTU. The 10-ton RTU is new and serves the infirmary area which houses patients and 15-ton RTU is old and serves the medical office and pill call area. The area served by 10-ton unit is occupied 24x7. The medical office area is occupied 8-5 and pill call area is occupied 24x7. The scope of this ECM is to replace older 15-ton RTU with a high efficiency 10-ton RTU with economizer. A properly sized heat pump unit with aux electric heat will be installed for the pill call area. Programmable thermostats will be installed on the RTUs and heat pump units to implement scheduling and night setback through BMS.	\$108,874.01		\$0.00	\$0.00	\$108,874.01	\$0.00
274	HVAC System Upgrades	JCI nonARRA	St Clair CF	The visitation area and command center are both served by a 15-ton RTU. The regular operating hours for visitation area are 8.00am-11.00am and 12.00noon-3.00pm weekends only. The 15-ton RTU runs 24x7 to satisfy command center. The scope of this ECM is to install new properly sized split system unit with gas heat for the central command area only. Separate programmable thermostats will be installed for the existing 15-ton RTU serving visitation area and proposed split system unit at command center to implement scheduling and night setback through BMS.	\$69,487.38		\$0.00	\$0.00	\$69,487.38	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
275	HVAC System Upgrades	JCI nonARRA	St Clair CF	Building V includes mental health office and property room areas. A multizone heating only AHU provides heating for the building. Mental health area has (1) 4-ton split system unit with no heating for cooling. There are (2) window AC units also serving the mental health office area. The property room office area has a 2-ton split system unit for cooling. The heating and cooling systems are not interlocked causing occupant discomfort and excessive energy use. The scope of this ECM is to replace existing heating only multizone unit with a new multizone AHU with DX cooling. This unit will also serve the segregation office in bldg U. The cooling capacity will be sized as per the actual space load. Existing independent cooling units (split system and window AC units) will be eliminated. DDC controls will be installed to control the proposed multizone AHU. Scheduling and night setback will be implemented through BMS.	\$158,321.79		\$0.00	\$0.00	\$158,321.79	\$0.00
276	HVAC System Upgrades	JCI nonARRA	St Clair CF	The Dorm I is served by (1) split system unit which provides cooling. (2) wall mounted packaged units are used for heating. The scope of this ECM is to replace (1) existing old 4-ton split system unit with properly sized energy efficient heat pump unit with aux electric heat. The scope also includes eliminating (2) existing wall mounted packaged units on the other side of I-dorm and resealing penetrations. A programmable thermostat will be installed in a lock box for temperature control.	\$91,134.17		\$0.00	\$0.00	\$91,134.17	\$0.00
278	HVAC System Upgrades	JCI nonARRA	St Clair CF	The sally port is currently served by (2) window AC units and (2) wall electric heaters. The scope of this ECM is to replace existing window AC units and electric heaters with properly sized heat pump unit with electric heat. A programmable thermostat will be installed for the proposed heat pump unit.	\$53,967.74		\$0.00	\$0.00	\$53,967.74	\$0.00
279	HVAC System Upgrades	JCI nonARRA	St Clair CF	The scope of this ECM is to retrofit heating only multi-zone unit in the mechanical room attic space serving the locker area. A programmable thermostat will be installed to implement scheduling and night setback through BMS.	\$69,530.39		\$0.00	\$0.00	\$69,530.39	\$0.00
280	HVAC System Upgrades	JCI nonARRA	St Clair CF	The G block dorms include J,K,L,M,N,O,P and Q bldgs. These dorms are similar in construction and HVAC systems. Each dorm has (3) day room areas. The scope of this ECM is to replace (24) existing 2-ton split system units serving the day room areas with properly sized new high efficiency heat pump units with aux electric heat. Programmable thermostats will be installed on total of (24) split system units to implement scheduling and night setback through BMS.	\$689,750.79		\$0.00	\$0.00	\$689,750.79	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
281	HVAC System Upgrades	JCI nonARRA	St Clair CF	Currently the chapel is served by two independent sources for heating and cooling. The two systems are not interlocked with each other which on occasions causes simultaneous operation resulting occupant discomfort and excessive energy use. The goal of this ECM is to utilize single energy efficient system for cooling and heating. The scope of this ECM is to eliminate heating only AHU in the mechanical room attic space and replace older less efficient split system unit with a new high efficiency properly sized heat pump unit with hot water coil. The heating only AHU will be decommissioned and abandoned in the attic space. Necessary hot water piping modifications will be performed to accommodate new hot water coil on the split system unit. A separate gas furnace (heating only) will be installed for Arts and Crafts area next to chapel. Separate programmable thermostats will be installed to control proposed split system unit and gas furnace to implement scheduling and night setback.	\$98,790.45		\$0.00	\$0.00	\$98,790.45	\$0.00
282	HVAC System Upgrades	JCI nonARRA	St Clair CF	The segregation office is occupied 24x7. The scope of this ECM is to replace existing 3-ton split system unit serving bldg U with a heat pump system with electric heat backup. Install manual thermostat for temperature control.	\$14,834.72		\$0.00	\$0.00	\$14,834.72	\$0.00
283	HVAC System Upgrades	JCI nonARRA	St Clair CF	Currently Bldg W is served by a split system unit with electric heat. The unit is controlled by a non-programmable thermostat. The scope of this ECM is to replace existing unit with a high efficiency heat pump unit with aux electric heat. A programmable thermostat will be installed to implement scheduling and night setback through BMS.	\$23,015.52		\$0.00	\$0.00	\$23,015.52	\$0.00
284	HVAC System Upgrades	JCI nonARRA	St Clair CF	The segregation unit dorm A inmate cells and day room areas are served by a heating only multizone AHU. The pneumatic controls on these multizone unit are non-functional. The mutlizone unit run 24x7. The scope of this ECM is to retrofit and recommission existing heating only multizone AHU. This will include installing new energy efficient motors on SF,EF,OAF, electric damper actuators, 2-way control valve, reseal unit joints (where applicable), reinsulate units (where applicable), unit safeties (high/low limits), belt guards, repairs on air-to-air heat exchanger (if applicable). DDC controls will be installed to implement scheduling and night setback through BMS.	\$98,913.29		\$0.00	\$0.00	\$98,913.29	\$0.00
285	HVAC System Upgrades	JCI nonARRA	St Clair CF	The upholstery shop area is currently served by (1) heating only AHU with hot water coil. The controls on the AHU are non functional. The unit is controlled by a disconnect switch. The scope of this ECM is to retrofit and recommission existing (1) heating only AHU serving upholstery area. This will include furnishing new energy efficient motor, damper actuators, 2-way control valve and unit safeties (high-low limits), resealing the unit joints, belt guards (where required). DDC controls will be installed to implement scheduling and night setback through BMS.	\$73,881.70		\$0.00	\$0.00	\$73,881.70	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
286	HVAC System Upgrades	JCI nonARRA	St Clair CF	The vehicle shop area is currently served by (6) heating only AHUs with hot water coil and (5) gas duct furnaces. The controls on the AHUs are non functional. The units are controlled by disconnect switches. The scope of this ECM is to retrofit and recommission existing (6) heating only AHUs and decommission (5) gas duct heaters serving the vehicle shop area. This will include furnishing new energy efficient motor, damper actuators, 2-way control valve and unit safeties (high-low limits), resealing the unit joints, belt guards (where required). DDC controls will be installed to implement scheduling and night setback through BMS for total of (6) AHUs.	\$422,816.07		\$0.00	\$0.00	\$422,816.07	\$0.00
288	HVAC System Upgrades	JCI nonARRA	St Clair CF	The shift office and library areas are served by an existing 15-ton RTU. The shift office is occupied 24x7. The shift office will receive an independent new high efficiency heat pump system unit. The existing RTU will be replaced by a 10-ton units serving library and other spaces under the scope. Necessary duct work modifications will be performed to accomplish this ECM. A new DDC controls system will be installed to implement scheduling and night setback on both new units	\$41,821.20		\$0.00	\$0.00	\$41,821.20	\$0.00
289	HVAC System Upgrades	JCI nonARRA	St Clair CF	The segregation unit dorms B,C,D,E have similar HVAC systems. Currently the inmate cells and day room areas are served by (1) mutlizon heating only AHUs for each dorm. The pneumatic controls on these multizone units are non-functional. The mutlizon units run 24x7. The scope of this ECM is to retrofit and recommission existing heating only multizone AHUs. This will include installing new energy efficient motors on SF,EF,OAF, electric damper actuators, 2-way control valve, reseal unit joints (where applicable), reinsulate units (where applicable), unit safeties (high/low limits), belt guards, repairs on air-to-air heat exchanger (if applicable). DDC controls will be installed on total of (4) multizone AHUs to implement scheduling and night setback through BMS.	\$358,679.87		\$0.00	\$0.00	\$358,679.87	\$0.00
290	HVAC System Upgrades	JCI nonARRA	St Clair CF	The wood/furniture shop area is currently served by (5) heating only AHUs and (5) gas duct furnaces. The controls on the AHUs are non functional. with hot water coil. The controls on the AHUs are non functional. The units are controlled by disconnect switches. The scope of this ECM is to retrofit and recommission existing (5) heating only AHUs and decommission (5) gas duct heaters serving wood/furniture shop area. This will include furnishing new energy efficient motor, damper actuators, 2-way control valve and unit safeties (high-low limits), resealing the unit joints, belt guards (where required). DDC controls will be installed to implement scheduling and night setback through BMS for total of (5) AHUs.	\$331,025.12		\$0.00	\$0.00	\$331,025.12	\$0.00
291	HVAC System Upgrades	JCI nonARRA	St Clair CF	The trade school area is currently served by (4) heating only AHUs with hot water coil. The controls on the AHU are non functional. The units are controlled by disconnect switches. The scope of this ECM is to retrofit and recommission existing (4) heating only AHUs serving trade school area. This will include furnishing new energy efficient motor, damper actuators, 2-way control valve and unit safeties (high-low limits), resealing the unit joints, belt guards (where required). DDC controls will be installed to implement scheduling and night setback through BMS for total of (4) AHUs.	\$295,977.04		\$0.00	\$0.00	\$295,977.04	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
292	HVAC System Upgrades	JCI nonARRA	St Clair CF	The Gym is currently served by (1) heating only AHU with hot water coil. The controls on the AHU are non functional. The unit is controlled by a disconnect switch. The scope of this ECM is to retrofit and recommission existing (1) heating only AHU serving Gym area. This will include furnishing new energy efficient motor, damper actuators, 2-way control valve and unit safeties (high-low limits), resealing the unit joints, belt guards (where required). DDC controls will be installed to implement scheduling and night setback through BMS.	\$84,087.49		\$0.00	\$0.00	\$84,087.49	\$0.00
437	HVAC System Upgrades	NOR ARRA	Tutwiler Prison for Women	EMS	\$5,673.20		\$0.00	\$5,673.20	\$0.00	\$0.00
442	HVAC System Upgrades	NOR ARRA	Tutwiler Prison for Women	EMS	\$10,207.80		\$0.00	\$10,207.80	\$0.00	\$0.00
129	HVAC System Upgrades	JCI ARRA	Ventress CF	VNT 9.5 Stewards HVAC Unit Replacement	\$42,909.39	\$42,909.39	\$0.00	\$0.00	\$0.00	\$0.00
332	HVAC System Upgrades	JCI nonARRA	Ventress CF	The existing condensing units serving the Admin areas the air streams restricted, due a solid wall construction immediately surrounding the units. This is causing the AC condensing units to operate at very high head pressures. This ECM would remove a large portion of the wall, thus, allowing air to circulate through the units and provide new shrubbery. Include four new programmable thermostats for existing systems.	\$14,412.10		\$0.00	\$0.00	\$14,412.10	\$0.00
333	HVAC System Upgrades	JCI nonARRA	Ventress CF	Replace twenty-six (26) existing 25 year old 120 MBH vertical space heaters with twenty-six (26) new 120 MBh furnaces	\$178,734.98		\$0.00	\$0.00	\$178,734.98	\$0.00
334	HVAC System Upgrades	JCI nonARRA	Ventress CF	Replace two (2) 140 MBH vertical space heaters.	\$15,847.98		\$0.00	\$0.00	\$15,847.98	\$0.00
335	HVAC System Upgrades	JCI nonARRA	Ventress CF	Replace two ton split system with new two ton ductless split system heat pump.	\$15,502.80		\$0.00	\$0.00	\$15,502.80	\$0.00
336	HVAC System Upgrades	JCI nonARRA	Ventress CF	Replace 2 ton condensing unit, serving the Visitation building Restrooms.	\$15,783.92		\$0.00	\$0.00	\$15,783.92	\$0.00
337	HVAC System Upgrades	JCI nonARRA	Ventress CF	Replace 10 ton LP split system, serving the Stewards Office.	\$44,460.45		\$0.00	\$0.00	\$44,460.45	\$0.00
338	HVAC System Upgrades	JCI nonARRA	Ventress CF	Replace 10 ton LP split system, serving the Cooking Area, including condensing units, evaporators, and two (2) vertical furnaces.	\$44,460.45		\$0.00	\$0.00	\$44,460.45	\$0.00
133	Central Plant Measures/Boilers	JCI nonARRA	Agency Administration	Enterprise wide fleet management solution	\$593,621.96		\$0.00	\$0.00	\$593,621.96	\$0.00
134	Central Plant Measures/Boilers	JCI nonARRA	Agency Administration	Enterprise wide telecommunications solution to replace traditional voice calling with internet based voice over internet protocol.	\$2,196,484.13		\$0.00	\$0.00	\$2,196,484.13	\$0.00
459	Central Plant Measures/Boilers	NOR nonARRA	Birmingham CBF	Mechanical Upgrades	\$143,536.60		\$0.00	\$0.00	\$0.00	\$143,536.60
148	Central Plant Measures/Boilers	JCI nonARRA	Bibb County CF	The mechanical room houses (2) 2070000 Btuh water boilers used for space heating. Hot water is circulated to (4) air handling units in the Main Building and (2) air handling units in the Infirmary. Hot water is also circulated to (4) unit heaters located in the ICS area and (2) unit heaters in the laundry room. The hot water circulation for air-handling units is a constant volume system; hot water coil valves are 3-way. The scope of this ECM is to install 2-way valves served by the central boilers with 2-way valves. Install pressure differential sensors at the Visitation AHU and AHU 5 serving the Infirmary. Repipe the new boiler system for modular arrangement and Install variable-speed-drives on the circulation pump(s) to provide variable flow hot water. As part of this ECM, insulation will be restored to all hot water piping in the mechanical room. A boiler control system will be installed and connected to the new Metasys control system for monitoring.	\$134,818.99		\$0.00	\$0.00	\$134,818.99	\$0.00
352	Central Plant Measures/Boilers	NOR ARRA	Bullock CF	Central Plant Upgrades	\$5,112,371.90		\$0.00	\$5,112,371.90	\$0.00	\$0.00
358	Central Plant Measures/Boilers	NOR ARRA	Bullock CF	Mechanical Upgrades	\$178,788.70		\$0.00	\$178,788.70	\$0.00	\$0.00
462	Central Plant Measures/Boilers	NOR nonARRA	Bullock CF	Central Plant Upgrades	\$3,413,681.00		\$0.00	\$0.00	\$0.00	\$3,413,681.00
150	Central Plant Measures/Boilers	JCI nonARRA	Camden CBF	Replace existing windows for the Dining Room and Dorm areas. (12) new steel single pane windows.	\$112,193.55		\$0.00	\$0.00	\$112,193.55	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
161	Central Plant Measures/Boilers	JCI nonARRA	Childersburg CBF/CWC	Replace existing medical trailer	\$106,316.98		\$0.00	\$0.00	\$106,316.98	\$0.00
476	Central Plant Measures/Boilers	NOR nonARRA	Decatur CBF	Mechanical Upgrades	\$565,984.10		\$0.00	\$0.00	\$0.00	\$565,984.10
477	Central Plant Measures/Boilers	NOR nonARRA	Decatur CBF	Mechanical Upgrades	\$628,589.90		\$0.00	\$0.00	\$0.00	\$628,589.90
478	Central Plant Measures/Boilers	NOR nonARRA	Decatur CBF	Mechanical Upgrades	\$115,264.50		\$0.00	\$0.00	\$0.00	\$115,264.50
375	Central Plant Measures/Boilers	NOR ARRA	Donaldson CF	Mechanical Upgrades	\$93,422.40		\$0.00	\$93,422.40	\$0.00	\$0.00
486	Central Plant Measures/Boilers	NOR nonARRA	Donaldson CF	Mechanical Upgrades	\$563,268.10		\$0.00	\$0.00	\$0.00	\$563,268.10
130	Central Plant Measures/Boilers	JCI ARRA	Draper CF	DRA 10.1 Main Building - Boiler Replacement	\$122,344.96	\$122,344.96		\$0.00	\$0.00	\$0.00
163	Central Plant Measures/Boilers	JCI nonARRA	Draper CF	Many of the existing windows in the main building are original to the structure and are very loose and inefficient. The scope of work for this ECM is to replace the existing original windows with new windows.	\$920,093.31		\$0.00	\$0.00	\$920,093.31	\$0.00
501	Central Plant Measures/Boilers	NOR nonARRA	Elmore CF	Mechanical Upgrades	\$88,715.90		\$0.00	\$0.00	\$0.00	\$88,715.90
184	Central Plant Measures/Boilers	JCI nonARRA	Fountain CF	The Kitchen has 4 steam kettles, which are supplied by the central plant boilers. During the summer months, the only load on the steam system is the DHW and steam kettles. This ECM would remove the steam kettles from the central steam system and install a new 50 HP natural gas steam boiler outside the kitchen area.	\$244,488.62		\$0.00	\$0.00	\$244,488.62	\$0.00
187	Central Plant Measures/Boilers	JCI nonARRA	Fountain CF	The twelve (12) existing RTU heating systems are provided by steam from a central steam boiler plant. The existing steam coils have no control and steam is passing through the steam coils 24/7 during the winter months. This ECM would replace all steam RTU heating units with 60 new condensing gas fired furnace heating units and 4 new condensing gas fired furnaces with cooling. Also included is to replace two steam unit heaters in the Hobby Shop with natural gas fired unit heaters.	\$803,290.67		\$0.00	\$0.00	\$803,290.67	\$0.00
509	Central Plant Measures/Boilers	NOR nonARRA	Hamilton CBF	Mechanical Upgrades	\$3,285.10		\$0.00	\$0.00	\$0.00	\$3,285.10
411	Central Plant Measures/Boilers	NOR ARRA	Holman CF	Mechanical Upgrades	\$110,896.50		\$0.00	\$110,896.50	\$0.00	\$0.00
522	Central Plant Measures/Boilers	NOR nonARRA	Holman CF	Mechanical Upgrades	\$1,437,258.70		\$0.00	\$0.00	\$0.00	\$1,437,258.70
419	Central Plant Measures/Boilers	NOR ARRA	Kilby CF	Mechanical Upgrades	\$169,076.50		\$0.00	\$169,076.50	\$0.00	\$0.00
420	Central Plant Measures/Boilers	NOR ARRA	Kilby CF	Mechanical Upgrades	\$453,127.80		\$0.00	\$453,127.80	\$0.00	\$0.00
531	Central Plant Measures/Boilers	NOR nonARRA	Kilby CF	Mechanical Upgrades	\$1,888,766.60		\$0.00	\$0.00	\$0.00	\$1,888,766.60
213	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Currently admin bldg. heating and domestic hot water needs are served by a 900,000 BTU/HR input capacity Raypak boiler. The domestic hot water is generated by a 400 gal storage tank with a inefficient heat exchanger. The scope of this ECM is to remove building domestic hot water service from the existing HW boiler serving both heating and domestic hot water demands. Install dedicated 119 gal storage type commercial gas domestic hot water heater. All necessary hot water piping modification will be performed and the piping will be reinsulated to minimize heat loss.	\$47,150.71		\$0.00	\$0.00	\$47,150.71	\$0.00
215	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Replace existing (2) Raypack boilers with (2) condensing boilers, reuse existing storage tanks and modify piping accordingly. Reset the temperature control mixing valve to deliver 120 °F HW.	\$290,313.72		\$0.00	\$0.00	\$290,313.72	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
216	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Currently dorm heating and domestic hot water needs are served by a (2) 960,000 BTU/HR input capacity Raypak boilers. The domestic hot water is generated by a (2) 400 gal storage tanks with a inefficient heat exchangers. The scope of this ECM is to remove building domestic hot water service from the existing HW boilers serving both heating and domestic hot water demands. Install dedicated modular high efficiency boilers for domestic hot water heating. All necessary hot water piping modification will be performed and the piping will be reinsulated to minimize heat loss. Install a water treatment system to treat the cold water supply to the new and existing boilers.	\$2,258,796.30		\$0.00	\$0.00	\$2,258,796.30	\$0.00
227	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Replace existing heating hot water generator with new high efficiency condensing boiler. Install DDC for heating hot water temperature control and supply temperature reset based on OA. The new heating hot water generator will be shut off during summer months. The RUUD water heaters will be used to meet the primary domestic water needs. A small electric booster water heater will be piped to the DHW system to address peak demand requirements.	\$292,192.13		\$0.00	\$0.00	\$292,192.13	\$0.00
246	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Demolish existing 3,00,000 BTU/h boiler serving heating and domestic hot water boiler. Install (3) properly sized modular condensing hot water boilers to meet heating and domestic hot water loads in the kitchen. The new condensing boilers will be piped and controlled to meet heating and domestic hot water demands during winter months. During summer months, only one boiler will operate to meet domestic hot water demand. One additional boiler will be brought online only to meet domestic hot water peak demand. The existing domestic hot water tanks and heat exchangers will be reused. The existing 3-way control valve son the heat exchangers will be replaced and tanks will be reinsulated.	\$320,892.28		\$0.00	\$0.00	\$320,892.28	\$0.00
254	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Currently admin bldg. heating and domestic hot water needs are served by a 900,000 BTU/HR input capacity Raypak boiler. Replace existing Raypak boiler with (2) energy efficient condensing boilers.	\$292,502.11		\$0.00	\$0.00	\$292,502.11	\$0.00
255	Central Plant Measures/Boilers	JCI nonARRA	Limestone CF	Eliminate perimeter patrol and achieve fuel and operational savings by implementation of enhanced perimeter security system.	\$1,991,005.32		\$0.00	\$0.00	\$1,991,005.32	\$0.00
132	Central Plant Measures/Boilers	JCI ARRA	Staton CF	STA 10.1 Main Building - Boiler Replacement	\$177,702.60	\$177,702.60	\$0.00		\$0.00	\$0.00
293	Central Plant Measures/Boilers	JCI nonARRA	St Clair CF	The primary heating water for the facility is provided by (2) 12MMBTU Cleaver Brooks boilers (25 plus year old). Only one boiler is capable of handling heating water demand even on a design day. The primary pumping is provided by (1) ** hp pump in the central plant. The scope of this ECM is to replace existing (2) 12MMBTU boilers with a modular solution with multiple condensing boilers. The existing constant speed primary hot water pump will be replaced with (2) new variable speed pumps with sufficient capacity. Piping modifications will be performed as necessary. DDC system will be installed to control proposed heating hot water system and implement supply temperature reset based on OA through BMS. The old boilers will be decommissioned and left in place.	\$1,436,635.28		\$0.00	\$0.00	\$1,436,635.28	\$0.00
294	Central Plant Measures/Boilers	JCI nonARRA	St Clair CF	(2) 2MBTU boilers serve the domestic hot water demand for the facility. The scope of this ECM is to replace existing boiler for domestic hot water with a modular solution with multiple condensing boilers. Necessary piping modifications will be performed.	\$246,003.63		\$0.00	\$0.00	\$246,003.63	\$0.00
2	Building Envelop	JCI ARRA	ACI	ACI 1.7 Admin and Showrooms - Reduce Solar Heat Gain	\$857.47	\$857.47	\$0.00		\$0.00	\$0.00

Project Id	GroupDesc	SourceDesc	Institution	Project Description	Total BaseCost	JCI	NORESCO	JCI	NORESCO	
204	Building Envelop	JCI nonARRA	Agency Administration	The existing roof over the freezers and coolers is comprised of a very dark roof; this adds to cooling load requirements for each unit. The scope of this ECM is to install a cool roof over the existing structure. The existing roof is wet and in need of replacement. The scope includes removal of the existing roof down to the concrete structure, add ## inches of insulation and install a white membrane.	\$872,623.89		\$0.00	\$0.00	\$872,623.89	\$0.00
469	Building Envelop	NOR nonARRA	Bullock CF	Natural Gas Rate	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
162	Building Envelop	JCI nonARRA	Childersburg CBF/CWC	The temp dorm trailers 1-4 are in extremely poor condition. The scope of this ECM is to demolish these trailers and replace with four new dorm trailers. Description: Pre-engineered metal building, inmate dorms. · Number of inmates: 192 (Dorms 1,2,3,4 with 48 inmates each) Building: Interior partitions are abuse resistant Building HVAC: Heating only (AHRAE requirements provided) Building Power: Lighting, power, security electronics, fire alarm Life Safety: Emergency power is stand alone (light battery paks) and fire protection sprinklers.	\$900,000.00		\$0.00	\$0.00	\$900,000.00	\$0.00
487	Building Envelop	NOR nonARRA	Donaldson CF	NG Rate Change w/out Biomass Plant	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
1	Building Envelop	JCI ARRA	Draper CF	DRA 1.4 Lee Taylor - Insulation	\$4,256.69	\$4,256.69	\$0.00	\$0.00	\$0.00	\$0.00
370	Solar Array	NOR ARRA	Decatur CBF	Solar PV	\$150,420.20		\$0.00	\$150,420.20	\$0.00	\$0.00
3	Computer Mgmt Solutions	JCI ARRA	Agency Administration	DOC 2.1 Computer Mgmt Solution	\$37,533.78	\$37,533.78	\$0.00	\$0.00	\$0.00	\$0.00
					\$75,180,699.23	\$9,561,528.09	\$11,403,472.34	\$39,363,867.60	\$14,851,831.20	\$54,215,698.80
							\$20,965,000.43			