

**2022 Internal Decarbonization Plan
City of Louisville, Colorado
Addendum #1**

1. Is there a budget for the project?

The City does not have a specific budget amount for this project.

2. Does completing the plan preclude a firm from performing implementation?

No

3. Can the City provide the Xcel studies referenced in the RFP?

The City will not be providing additional information about previous studies completed at this time.

4. Is there a page size limitation?

11"x17"

5. Is there a certain format in which the City would like the cost proposal?

No

6. What are the dates for interviews?

Tuesday, September 27 or Thursday, September 29

7. Are the interviews in person or virtually?

Virtual, one-hour interview times.

8. Regarding the submittal instructions: Does a hard copy (printed) submission need to be delivered to Louisville City Hall (749 Main Street) for time and date recording or can we send an electronic copy to the email provided before 8/26 at 11:59 for this formal time & date recording?

The proposal may be submitted either electronically or in person. Electronic submissions shall be emailed to kbetzold@louisvilleco.gov before 11:59 a.m. on Friday, August 26.

9. To clarify Section D. References, is it correct that we need to submit three references for similar projects and contact information, not letters of reference?

A firm must submit three references for similar projects, completed within the last three years, with contact information. Letters of reference are not required.

10. Do we need to include a signature page for our sub-consultants?

No

11. Is the City on track to meet its GHG reduction goals to date?

As of March 2020, City facilities run on 100% carbon-free electricity, purchased through Xcel Energy RECs. The City is not currently on target to meet municipal greenhouse gas emission reduction goals, with 2016 baseline emissions of 4,016 MCT02e and 2021 emissions of 6,265.5 MCT02e. These are emissions from fleet fuel, electricity and natural gas consumption and do not account for RECs purchased to offset electricity with carbon-free sources.

12. We would like to request the following additional information on the buildings, if available:

- a. Number of buildings in each of the 10 locations**
- b. Building areas (sq.ft.)**
- c. Year built**
- d. High level description of the existing systems (i.e. central boiler/chiller, air handling units, and type(s) of zone equipment)**

Property Name	# of buildings	Building Size (sqft)	Year built
Art Center	1	2,806	1974
City Hall	2	17,756	1980
City Services	2	46,107	2015
Golf- Club House	2	5,984	2014
Louisville Public Library	1	33,000	2005
North Water Treatment Plant	5	5,400 (main building)	1985
Police and Municipal Court	1	23,912	2003
Recreation and Senior Center	1	108,005	2018
South Water Treatment	2	5,400 (main building)	1993
Wastewater Plant	10	5,400 (main building)	2017

See below for building mechanical system list.

13. Is the intent to electrify 100% of equipment, completely removing natural gas equipment, or will partial electrification be considered with natural gas heat sources for backup/peak heating?

The intent is to fully electrify, however, if there are systems identified by the firm in which full electrification is not feasible due to significantly higher operating costs or availability of equipment, we would like to see side by side comparisons with full and partial electrification.

14. What are the general vehicle types and uses that will be included for electrification?

The City currently owns 116 light, medium and heavy-duty vehicles, along with Parks, Recreation and Open Space and Public Works Operations equipment such as backhoes, loaders and riding lawn mowers.

15. For the proposed electrical infrastructure and recommended HVAC equipment replacement, what level of MEP design is expected?

We are not expecting design work with this project. A design review of existing MEP drawings will be necessary during the baseline review phase of the project to inform each site audit and audit report.

16. Does the City want to see schematic designs with high level information on system selection and sizing?

We are not expecting design work, however, we would like to see equipment specification details for recommended equipment. The City may create additional RFPs for design work in the future, as an implementation phase of this project.

17. Are there specific expectations for the deliverables, such as narratives vs. drawing schematics and plans?

Our expectation for each deliverable is a detailed, written report that includes the items outlined in the Project and Deliverables Scope section of the RFP.

18. Is it expected that detailed electrical sizing will be performed for the electrified options?

To the extent possible without advanced energy modeling, we would like to see an evaluation of existing electrical infrastructure and proposed infrastructure requirements to meet the new building load.

19. For the cost estimates, is it expected that the consultants will provide an Engineer's Opinion of Probable Cost (EOPC), or is contractor pricing desired for higher accuracy?

Contractor pricing is desired to ensure higher accuracy.

BUILDING	SERVES	UNIT	MAKE	Tonnage	Model #	Serial #	Voltage	Phase	Year made	# OF FILTERS	FILTER SIZE	econ filters	# OF BELTS	BELT SIZE	EXHAUST BELT	UNIT	btu's in	btus out
ART CENTER	ART CENTER	Furnace	Lennox		EL296UH135XV60D	5914L28776	120	1	2014	1	16x25x1					SPLIT		
ART CENTER	ART CENTER	Condenser	Lennox	4	XC14-048-230-07	581403666	208/230	1	2014									
ART CENTER	ART CENTER	Water Heater	Bradford White		REZ30L6	NM38702062	208/240	1	2016									
AUSTIN NIEHOFF	AUSTIN NIEHOFF	Furnace	Lennox		G51MP-48C-110-07	5908J01799	120	1	2008	1	20x25x1					SPLIT		
AUSTIN NIEHOFF	AUSTIN NIEHOFF	Condenser	Lennox	3	14ACX-036-230-10	1908M00488	208/230	1	2008									
AUSTIN NIEHOFF	AUSTIN NIEHOFF	Water Heater	GE		GE40M06AAG	GE0211262641			2011									
GOLF CLUBHOUSE	GOLF CLUBHOUSE	RTU 1	TRANE	10	YCH120E3EHAQZD0A100000000000E	150810869L	208/230	3	2015	3	20X25X2					RTU 1		
GOLF CLUBHOUSE	GOLF CLUBHOUSE	RTU 1								2	20X30X2					RTU 1		
GOLF CLUBHOUSE	SWEET SPOT KITCHEN	Furnace	TRANE		TUH10120A9601AA	151411A82G	115	1	2015	1	18X25x1					SPLIT		
GOLF CLUBHOUSE	SWEET SPOT KITCHEN	Condenser	TRANE	5	4TTR6061C1000AA	15173XF82	208/230	1	2015									
GOLF CLUBHOUSE	SWEET SPOT KITCHEN	Exhaust fan	Dayton		1MBE9	13043719 1210							1	A22				
GOLF MAINTENANCE	GOLF MAINTENANCE	Furnace	CARRIER		59SP5A060E171214	2616A46953	115	1	2016	1	16x25x4					SPLIT		
GOLF MAINTENANCE	GOLF MAINTENANCE	Condenser	CARRIER	2	24ABC624A0030011	2816E30792	208/230	1	2016									
GOLF MAINTENANCE	GOLF MAINTENANCE	Water Heater	GE		GG40T06AVG01	GE1N0310405465												
CITY HALL	CITY HALL	RTU 1	CARRIER		48AJE036CD-511FM	4006U25546	208/230	3	2006	10	20X24X2		2	SVX530		RTU 1		
CITY HALL	COUNCIL CHAMBERS	RTU 2	CARRIER		48TMM009-M-501--	2906G20754	208/230	3	2006	4	16x20x2		1	4L220		RTU 2		
CITY HALL	IT SERVER RM	Outdoor Unit	MITSUBISHI	3.5	PUY-A42NHAA	02U004908	208/230	1	2010							SPLIT		
CITY HALL	IT SERVER RM	Indoor Unit	MITSUBISHI		PCA-A42KAA	15A00564C	208/230	1	2011									
CITY HALL	IT SERVER RM	Condenser	THERMAL ZONE	3	TZAA-336-2A757	8344W481011298	208/230	1	2010							SPLIT		
CITY HALL	IT SERVER RM	Air Handler	YORK		N1AHCI606A	EDK5109806	208/230	1	2001	1	20x20x1							
CITY HALL	Restrooms	Water Heater	STATE		PCE-40-20LSA110	1.73711E+12												
CITY HALL	Restrooms	Exhaust Fan	Centri Master		PV085E5	0648024001	115	1										
CITY SERVICE	OFFICES	AHU 1	annexAir		AHU-I-12-C-H-TB	2383-01-0415	460	3	2015	10	20X24X2					AHU 1		
CITY SERVICE	OFFICES	VAV								6	13X14X1					VAV		
CITY SERVICE	OFFICES	VAV								5	17X19X1					VAV		
CITY SERVICE	OFFICES	COND	AAON		CC-C-031-3-D-2	201503-CHCF07530	460	3	2015							COND		
CITY SERVICE	SHOP	AHU 2								5	0X12 W/HEADER					AHU 2		
CITY SERVICE	SHOP	AHU 2								10	4X12 W/ HEADER					AHU 2		
CITY SERVICE	SHOP	AHU 2	annexAir		ERP-I-20-SW16-EC-H-S5	2383-02-0415	460	3	2015	30	20X20X2					AHU 2		
CITY SERVICE	OFFICES	HWB 1	Aerco		70570	G-15-0486	110	1	2015									
CITY SERVICE	OFFICES	HWB 2	Aerco		70571	G-15-0487	110	1	2015									
CITY SERVICE	OFFICES	DWH 1	State		SUF119300NEA200	1511M000529	120	1	2015									
CITY SERVICE	BOILER ROOM	UH 8	Modine		HC 63S801SA	39011415-2151-	115	1	2015									
LIBRARY	NORTH	RTU 1	TRANE		5FHFC504P777C78D9001A0CE0000000RT0Y80G	C05H07766	460	3	2005	20	20X25X2		2	SVX880		RTU 1		
LIBRARY	SOUTH	RTU 2	TRANE		5FHFC504P777C78D9001A0CE0000000RT0Y80G	C05H07765	460	3	2005	20	20X25X2		2	SVX880		RTU 2		
LIBRARY	IT SERVER RM	Outdoor Unit	SANYO		C3672R	0003461	208/230	1	2006							SPLIT		
LIBRARY	IT SERVER RM	Indoor Unit	SANYO		HAH672R	0002054	208/230	1	2006									
LIBRARY	Building Boiler	B-1.01	Lochinvar		CH0991	J05H00181188	120	1	2005				x	x	x	B-1.01	990000	831600
LIBRARY	Building Boiler	B-1.02	Lochinvar		CH0991	J05H00181187	120	1	2005				x	x	x	B-1.02	990000	831600
LIBRARY	Water Heater	GWH-1.01	Bradford White		7578083N	B16962004			2005									
LIBRARY	Exhaust Fan		Dayton		SDVT3A	14951487		1	2014									
MUESUEM	TOMEO	FURNACE	Carrier		59SC58080E171116	3021A44652	115	1	2021	1	16x20x1					FURNACE		
MUESUEM	TOMEO	AC	Carrier	2	24ACC624A0030010	2521E06272	208/230	1	2021							AC		
MUESUEM	JACOE	FURNACE	Carrier		59TP6A080E171216	3717A52738	115	1	2017	1	16x25x1					FURNACE		
MUESUEM	JACOE	AC	Carrier	2	24ACC630A0030010	3417E23681	208/230	1	2017							AC		
MUESUEM	JACOE	Water Heater	Stiebel Eltron		SHC2.5	233219-1851-42044	110/120	1	2018									
MUESUEM	JORDINELLI	FURNACE	Carrier		59SC58100E211120	2121A59438	115	1	2021	1	16x20x1					FURNACE		
MUESUEM	JORDINELLI	AC	Carrier	2	24ACC630A0030010	2621E24664	208/230	1	2021							AC		
MUESUEM	JORDINELLI	Water Heater	A.O. Smith		ELIF 40 917	GG01-0068854-917	220/240	1	2001									
POLICE	WEST	RTU1	AAON		RM-030-8-0-AA02-572	AMGT04821	208	3	2004	6	20x25x2		1	BK-73	BX-61	RTU1		
POLICE	COURT	RTU2	AAON		RM-020-8-0-AA02-572	AMGP04773	208	3	2004	6	20x25x2		1	BK-70		RTU2		
POLICE		EF-10	Centri Master		PV075 E6	048742513	115	1	2004				4	3L320		EF-1		
POLICE		EF2											2	3L220		EF2		
POLICE		EF-3											1	3L230		EF-3		
WATER TREATMENT NORTH	ADMIN BUILDING	RTU	TRANE		YSC036E1FHA1P	143011084L	208	1	2014	2	20X30X2					RTU		
WATER TREATMENT NORTH	ADMIN BUILDING	RTU	DAY AND NIGHT		559EJ036	2084C32972	208	1	1984	1	20X20X1					RTU		
WATER TREATMENT NORTH	Chemical Room	Unit Heater	Modine		BA2255F	O1101090485	460	3	1985	2	16x16x2		1	A49				
WATER TREATMENT NORTH	Chemical Room	Unit Heater	Modine		PA305F	5191090485	120	1	1985									
WATER TREATMENT NORTH	Filter Room	Unit Heater	Modine		BA2505G	O1101090485	460	3	1985	2	16x25x2		1	A49				
WATER TREATMENT NORTH	Filter Room	Unit Heater	Modine		BA2505G	O1101090485	460	3	1985	2	16x25x2		1	A47				
WATER TREATMENT NORTH	Filter Room	Unit Heater	Modine				460	3	1985	2	16x25x2		1	A49				
WATER TREATMENT SOUTH	ADMIN BUILDING	RTU	CARRIER		48LCE007A3M6A0A5C0	0518P89282	460	3	2018	4	20X20X2		1	BX44		RTU		
WATER TREATMENT SOUTH	ADMIN BUILDING	EXHAUST	DELKI		307											EXHAUST		
WATER TREATMENT SOUTH	PRE TREATMENT	MAU	CAPTIVE AIR		A2-IBT-600-300-300-G15	23872911(OB#)	460	3	2015				2	BX49		MAU		
WATER TREATMENT SOUTH	PRE TREATMENT	EXHAUST	?		?	?				1						EXHAUST		
WATER TREATMENT SOUTH	ADMIN BUILDING	Electric Heater	Chromalox		LUH-B-05-42-32-00	685179-01-25	480	3										
WATER TREATMENT SOUTH	ADMIN BUILDING	EHU-1	Triad		234-U11N-0050U-80190T		480	3	2018									
WATER TREATMENT SOUTH	ADMIN BUILDING	EHU-2	Triad		234-U11N-0050U-80190T		480	3	2018									
WATER TREATMENT SOUTH	ADMIN BUILDING	EHU-3	Triad		234-U11N-0050U-80190T		480	3	2018									
WATER TREATMENT SOUTH	ADMIN BUILDING	EHU-4	Triad		234-U11N-0050U-80190T		480	3	2018									
WASTE	ADMIN	ACoil	ADP		HD14648E210	7116H26779	*	*								ACoil		
WASTE	ADMIN	Furnace	GUARDIAN		RGF19100CP20MP11A	W1K6942230	115	1	2016	1	18x24x1					A/H		
WASTE	ADMIN	COND	GUARDIAN		RAC13L42B215A	W1H6926000	208	1	2016							COND		
WASTE 6	Headworks	ERV 1901	GREENHECK		PVE-35-SC	14724567	208	3		6	16x25x2	2@15 x 20 x 2	2	AX45		ERV 1901		
WASTE 6	headworks	ERV 1902	GREENHECK		PVE-35-SC	14724568	208	3		6	16x25x2	2@15 x 20 x 2	2	AX45		ERV 1902		
		RTU-4901	TRANE		WSC120E4RGAORDB01A10000A00000E00000000	164813153L	460	3		3	20x25x2					RTU-4901		
		RTU-4901	TRANE							2	20x30x2							
WASTE 7 WEST	Aeration Blower Bldg	ERV 4901	GREENHECK		PVE-55-SC	14724565	460	3		6	24x24x2	4@16 x 25 x2	2	BX63		ERV 4901		

WASTE 7 EAST	Alum Bldg	ERV 4902	GREENHECK		PVE-55-SC	14724566	460	3		6	24x24x2	4@16 x 25 x2				ERV 4902		
WASTE 15	UV	HV 7901	GREENHECK		MSX-110-H12-DB	14724569	460	3				8@16 x 25 x2				HV 7901		
WASTE 15	UV		SAMSUNG	DUCTLESS	AQX36VFUAGM													
WASTE 11	Digester Blower Bldg	EC 1	PREMIER			2017123	460	3		2	16x20x2		1	5L-650		EC 1		
WASTE 11	Digester Blower Bldg	EC 1	PREMIER							2	20x20x2					EC 1		
WASTE 11	Digester Blower Bldg	HP-9501	TRANE		WSC048E4RG1A1M081A1000A0000B00000000	162414348L	460	3		2	20x30x2		1	AX26		HP-9501		
WASTE WATER																		
REC CENTER	BROOKS RM	1	CARRIER	5	48TCFA06B3M6A0A0AO	3509G10314	460	3	2009	2	16X25X2		1	AX40		1	150,000	120,000
REC CENTER	CROWN RM	2	CARRIER	5	48TCFA06B3M6A0A0AO	3509G10312	460	3	2009	2	16X25X2		1	AX40		2	150,000	120,000
REC CENTER	SENIOR W ENTRANCE	3	CARRIER	6	48TCFA07B3M6A0A0AO	3509G10295	460	3	2009	4	16x16x2		1	AX43		3	150,000	120,000
REC CENTER	LOBBY	4	CARRIER	10	48TCFD12B3T6A0A0AO	3509G21014	460	3	2009	4	20x20x2		1	AX54		4	250,000	205,000
REC CENTER	HECLA RM	5	CARRIER	4	48TCFA05B3M6A0A0AO	3509G10325	460	3	2009	2	16X25X2		1	AX38		5	150,000	120,000
REC CENTER	SENIOR OFFICES	6	CARRIER	3	48TCFA04B3M6A0A0AO	3509G20395	460	3	2009	2	16X25X2		1	AX36		6	115,000	93,000
REC CENTER	2ND FLOOR W TRACK	7	CARRIER	7.5	48TCFD08B2T6A0A0AO	3509G30818	460	3	2009	4	16x20x2		1	AX52		7	224,000	184,000
REC CENTER	GREYS RM	8	CARRIER	6	48CTA07B3M6A0A0AO	3509G40427	460	3	2009	4	16x16x2		1	AX44		8	150,000	120,000
REC CENTER	ADMIN OFFICES	9	DAIKIN	28	DP5028AHMG4DV-4	FBOU180301636	460	3	2018	9	18x24x2		*	DD		9		
REC CENTER	GAME RM	10	CARRIER	6	48TCFA07B3M6A0A0AO	3509G10294	460	3	2009	4	16X16X2		1	AX44		10	150,000	120,000
REC CENTER	N GYM	11	CARRIER	15	48TCTD17B3TG-OA0AO	3609U19007	460	3	2009	6	20X25X2		1	BX44		11	400,000	324,000
REC CENTER	RACQUETBALL	12	CARRIER	4	48TCFA05B3M6A0A0AO	3509G10326	460	3	2009	2	16X25X2		1	AX38		12	150000	120,000
REC CENTER	S GYM	13	CARRIER	15	48TCTD17B3TG-OA0AO	3609U19006	460	3	2009	6	20X25X2		1	BX44		13	400,000	324,000
REC CENTER	AUATIC OFFICES	14	CARRIER	3	48TCFA04B2M3A0A0AO	3509G20398	208/230	1	2009	2	16X25X2		1	AX35		14	115,000	93,000
REC CENTER	TURF GYM	15	DAIKIN	20	DP5020AHMG4DW-4	FBOU180301637	460	3	2018	9	18x24x2		*	DD		15		
REC CENTER	W. FITNESS AND CHILDRENS	16	DAIKIN	50	MP50S0FG4DV1CMBV-A	FBOU180301522	460	3	2018	8	24x24x2		2	SVX860		16		
		16								4	18x24x2					16		
REC CENTER	CYCLING RM	17	DAIKIN	7	DP5007AHMG4DW-3	FBOU180301638	460	3	2018	6	18X24X2		*	DD		17		
REC CENTER	POOL MECH	MAU-1	GREENHECK	*	16X-112-H22-DB	15381540	180	3	2018	*	WASHABLE		1	AP55		MAU-1		
REC CENTER	TURF GYM STORAGE	MAU-2	GREENHECK	*	16X-108-H12-DB	15381538	180	3	2018	*	WASHABLE		1	AP49		MAU-2		
REC CENTER	LOCKER RMS	ERV-1	GREENHECK	*	HRE-20H-15-15-E5	11876096	460			2	20x20x2		1&1	AX36		AX38	ERV-1	
		ERV-1								4	24x24x2							
REC CENTER	FAMILY CHANGE	ERV-2	GREENHECK	*	ERCH-20-15L-IE-IG-01	15433271	18E	460	3	2	20X20X2		1&1	AX37		AP40	ERV-2	
REC CENTER	LAP POOL	NDHU-1	ENGINEERED AIR	*	DJ140/0	DK5606/NDHU-1	460	3	2018	30	24x24x2		3	BX128			NDHU-1	
REC CENTER	LAP POOL	NDHU-1	ENGINEERED AIR	*	DJ140/0	DK5606/NDHU-1	460	3	2018	6	12x24x2		*	*			NDHU-1	
REC CENTER	NEW POOL	NDHU-2	INNOVENT	*	ERU-OU-PL-38000-IF-AC-460	7719326.002	460	3	2018	18	20x24x2						NDHU-2	
REC CENTER	NEW POOL	NDHU-2	INNOVENT	*	ERU-OU-PL-38000-IF-AC-460	7719326.002	460	3	2018	24	20x20x2		0	0			NDHU-2	
REC CENTER	Condenser	IT-1	MITSUBISHI	1.5	PUY-A18NKA7	76U02863C	208/230	1	2017	*	*		*	*			IT-1	
REC CENTER	Evaporator	IT-1	MITSUBISHI															
REC CENTER	Condenser	IT-2	MITSUBISHI	1.5	PUY-A18NKA7	76U02840C	208/230	1	2017	*	*		*	*			IT-2	
REC CENTER	Evaporator	IT-2	MITSUBISHI															
REC CENTER	Condenser	IT-3	MITSUBISHI	1.5	PUY-A18NKA7	77U03320D	208/230	1	2017	*	*		*	*			IT-3	
REC CENTER	Evaporator	IT-3	MITSUBISHI															
REC CENTER	SAUNA RM	SAUNA		*						*	*		*	*			SAUNA	
REC CENTER	STEAM RM	STEAM	MR STEAM	*	CU750A	CXA1198229-V18	208	3									STEAM	
REC CENTER	STEAM RM	STEAM	MR STEAM	*	CU750A	CONTROL VOLTAGE	120	1									STEAM	
REC CENTER	Break Room	EF-1	Greenheck	*	G-095-VG-6-X	15376770			2018	*	*		*	*			EF-1	
REC CENTER	Mezzanine Level	EF-2	Greenheck	*	G-143-VG-7-X	15376772 18C	115		2018	*	*		*	*			EF-2	
REC CENTER		EF-3	Greenheck	*	GB-220-7-X	1.18677E+11	115		2009	*	*		1	AX30			EF-3	
REC CENTER		EF-4	Fan America	*	CBUJET 250	?	115		2018	*	*		*	*			EF-4	
REC CENTER		EF-5	Fan America	*	CBUJET 250	?	115		2018	*	*		*	*			EF-5	
REC CENTER	Mezzanine Level	EF-6	Greenheck	*	G-133-V6-5-X	15376774 18C	115		2018	*	*		*	*			EF-6	
REC CENTER	Fitness RR	EF-7	Greenheck	*	G-133-VG-5-X	15376776 18C	115		2018	*	*		*	*			EF-7	
REC CENTER	Kitchen	EF-8	Greenheck	*	CUE-099-V6-4-X	15376778 18C	115		2018	*	*		1	AX20			EF-8	
REC CENTER	Youth RR	EF-9	Greenheck	*	G-090-V6-X	15376780 18C	115		2018	*	*		*	*			EF-9	
REC CENTER	E Womens	EF-10	Greenheck	*	AS10-QD	15357322	115		2018	*	*		*	*			EF-10	
REC CENTER		EF-11	Greenheck	*	AS10-QD	15357313	*		2018	*	*		*	*			EF-11	
REC CENTER	Admin RR	EF-12	Greenheck	*	G-095-VG-6-X	15376782 18C	115		2018	*	*		*	*			EF-12	
REC CENTER	Senior Jan	EF-13	Greenheck	*	G-097-VG-4-X	15376784 18C	115		2018	*	*		*	*			EF-13	
REC CENTER	old info @rec center	EF-6	Greenheck	*	PWJ14506	2009			Facilities	*	*						EF-6	
REC CENTER	old info @rec center	EF-8	Greenheck	*	GB-131-5	2009			Facilities	*	*						EF-8	
REC CENTER	old info @rec center	EF-10	Greenheck	*	SP-A410	2009			Facilities	*	*						EF-10	
REC CENTER	old info @rec center	EF-11	Greenheck	*	SP-A410	2009			Facilities	*	*						EF-11	
REC CENTER	ELECTRICAL RM 167	TF-1		*						*	*		*	*			TF-1	
REC CENTER	ELECTRICAL RM 191	TF-2		*						*	*		*	*			TF-2	
REC CENTER	ELECTRICAL RM 209	TF-3		*						*	*		*	*			TF-3	
REC CENTER	ELECTRICAL RM 144E	TF-5		*						*	*		*	*			TF-5	
REC CENTER	REC CENTER	DHW-1		*	SBF100400NEASMED		460/3/60	3	1998	*	*		*	*			DHW-1	
REC CENTER	REC CENTER	DHW-2		*	SBF100400NEASMED		460/3/60	3	1998	*	*		*	*			DHW-2	
REC CENTER	REC CENTER	DHW-3		*	SUF-130-400		460/3/60	3	2007	*	*		*	*			DHW-3	
REC CENTER	LAP POOL E	HWB-1	LOCHINVAR	*	KBN501	1.72111E+12	460/3/60	3	2011	*	*		*	*			HWB-1	
REC CENTER	LAP POOL E	HWB-2	LOCHINVAR	*	KBN501	1.6071E+12	460/3/60	3	2011	*	*		*	*			HWB-2	
REC CENTER	TEACHING POOL A	HWB-3A	LOCHINVAR	*	CPN0752	1815 109950855	460/3/60	3		*	*		*	*			HWB-3A	
REC CENTER	LEISURE POOL B	HWB-4B	LOCHINVAR	*	CPN0652	1815 109950843	460/3/60	3		*	*		*	*			HWB-4B	
REC CENTER	WHIRLPOOL C	HWB-5C	LOCHINVAR	*	CPN0652	1815 109950844	460/3/60	3		*	*		*	*			HWB-5C	
REC CENTER	SPRAY PAD D	HWB-6D	LOCHINVAR	*	ERN402-A	1816 109987519	460/3/60	3		*	*		*	*			HWB-6D	
REC CENTER	STEAM ROOM	SG-1	Mr. Steam	*	CU750A	CXA1198229-V18	208/3/60	3	2018	*	*		*	*			SG-1	
REC CENTER	SAUNA ROOM	S-1	Amerec	*	1201-7-3 or file E35923	P 18/0022				*	*		*	*			S-1	
REC CENTER	TEACHING POOL A		DEFENDER	*	SP-33-48-732	80771-1-0318			2018	*	*		*	*				
REC CENTER	LEISURE POOL B		DEFENDER	*	SP-41-48-1038	80771-2-0318			2018	*	*		*	*				
REC CENTER	WHIRLPOOL C		DEFENDER	*	SP-29-36-350	80771-3-0318			2018	*	*		*	*				
REC CENTER	SPRAY PAD D		DEFENDER	*	SP-27-48-487	80771-4-0318			2018	*	*		*	*				
REC CENTER	LAP POOL E		DEFENDER	*	?	?			2018	*	*		*	*				