



PROPOSAL

BFL3-CCC Chiller Replacement

PREPARED BY

Siemens Industry, Inc.

PREPARED FOR

Mr. Scott Travis, Facilities

DELIVERED ON

March 09, 2021



Your tenants can focus more on their business when your building is focused more on their needs.

Creating perfect places to work. That's ingenuity for life.

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Contact Information

Proposal #:	5534902
Date:	March 09, 2021

Sales Executive:	Philip R. Garces
Branch Address:	8940 Western Way Suite 1 Jacksonville, FL , 32256
Telephone:	904-608-4841
Email Address:	philip.garces@siemens.com

Customer Contact:	Mr. Scott Travis, Critical Facilities
Customer:	ALACHUA COUNTY
Address:	12 SE 1ST ST
	GAINESVILLE FL 32601-6826
Services shall be provided at:	Consolidated Communications Center
	Gainesville, FL

Executive Summary

The Chiller plant is in need of modernization. The Current chiller are as follows and are at end of life and in need of replacement. The new units are more efficient units that will provide a greater than 10% energy savings with an IPLV of 0.41KW/ton

LABEL	MODEL	SERIAL
CH-1	WSC048-BAAA -9700700130	STNU00050058
CH-2	WSC048-BAAA -9700700120	STNU00050056



NEW CHILLERS PERFORMANCE CHARACTERISTICS



Design Conditions Datasheet

Unit Tag	Qty	Model No	Net Cooling Capacity (ton.R)	Nominal Voltage	Refrigerant Type
CH-2	1	YVWABCBBFXJE0125SA	125.0	460-3-60.0	R134a

PIN:

YVWABCBBFX	JE0125SAX4	6BXXSSSXXA	LXXSXREXXX	AC173EXTSA	X44321CXX1	CGWX94260C	XXSCGWLBF5	XXX1XXXXXX
....5...105...205...305...405...505...605...705...805...90

Evaporator Data		Condenser Data		Performance Data	
EWT (°F)	54.00	EWT (°F)	85.00	Full Load Efficiency (kW/ton.R)	0.6454
LWT (°F)	44.00	LWT (°F)	94.30	IPLV.IP (kW/ton.R)	0.4109
Flow (USGPM)	299.2	Flow (USGPM)	383.6	Heat Rejection (MBH)	1775
Pressure Drop (ft H2O)	6.31	Pressure Drop (ft H2O)	8.57	Physical Data	
Fluid	Water	Fluid	Water	Rigging Wt. (lb)	7635
Fouling Factor (h.ft².F/Btu)	0.000100	Fouling Factor (h.ft².F/Btu)	0.000250	Operating Wt. (lb)	8223
Fluid Volume (USGAL)	46.00	Fluid Volume (USGAL)	39.00	Refrigerant Charge (lb)	280
Min Fluid Flow Rate (USGPM)	280.0	Min Fluid Flow Rate (USGPM)	190.0	Length (in)	116.6
Max Fluid Flow Rate (USGPM)	870.0	Max Fluid Flow Rate (USGPM)	780.0	Width (in)	55.6
Evap Type	Hybrid Falling Film	Cond Type	Water Cooled Condenser	Height (in)	72.7
Chiller Type	Water Cooled VSD Screw	Compressor Type	VSD Screw - Semi Hermetic		
Number Passes	2	Number Passes	2		

Electrical Data				
Circuit	1	2	3	4
Compressor RLA	112	0	0	0
Compressor Overload Setting	163	0	0	0

Single Point				
Min. Circuit Ampacity	138			
Min. Fuse / CB Rating (A)	175			
Unit Short Circuit Withstand (STD)	65 [kA]			
Wires Per Phase	1			
Wire Range (Lug Size)	2/0~500 kcmil			
Starter Type	VSD			
Operating Condition Electrical Data				
			Compressor kW	80.68
			Total kW	80.68
			Chiller FLA	116

General Schedule for Performance

- Chillers Ordered- 2-1-2021- (8-10 weeks) manufacture + delivery time
- Weekly calls starting Mid-March to coordinate and scheudle with all parties
- Project Kickoff meeting onsite with all parties 4-7-2021
- Chillers Delivered- 5-4-2021
- Project Kick off Meeting Final coordination with site 5-7-2021
- Chiller 1 - Change out 5-10-2021
- Chiller 2 - Change out 5-17-2021
- Testing Performance Completion Target Date 6-1-20221

SCOPE OF SERVICE

Siemens shall coordinate the schedule with county officials and provide a GANNT chart for the scheduling. Siemens shall provide all engineering, mechanical and supervisory services to successfully demo and replace the existing chillers at the Consolidated Communications Center. Pricing includes:

- Replacement of qty (2) 130 ton Water Cooled chillers
- Associated Piping, flanges, fittings and valves
- Disconnect and reconnect Controls
- All transport, rigging labor, and setting of new equipment
- refrigerant removal of existing chillers
- refrigerant installation of new chillers
- insulation of new piping for chiller replacement
- Safely disconnecting and reconnecting the chiller system
- coordination of pumps air handlers
- Project management and Engineering of system to work seamlessly with existing systems
- Welding and securing in place piping and chiller systems
- Weekly calls from mid April until project is complete to update Facilities on project status
- Proper removal and disposal of chillers
- add refrigerant monitor sensor for new refrigerant

Clarifications

Pricing includes all labor to be done during normal working hours

1.0 Exclusions

A. Provision or installation of upgrades to the electrical distribution systems. The qty (2) new chillers shall function on the existing breakers. No new breakers are to be installed. New connections from the breakers to the chillers power input are to be provided. No new wiring from the substation to the breakers/fuse is required.

B. Cost Associated with schedule acceleration.

C. Any additional material or labor costs due to scope changes.

2.0 Assumptions, Clarifications and Conditions

Siemens employees and subcontractors are provided access for the personnel performing installation work and training.

A. As a result of the global Covid-19 Virus outbreak, temporary delays in delivery, labor or services from Siemens and its sub-suppliers or subcontractors may occur. Among other factors, Siemens' delivery is subject to the correct and punctual supply from sub-suppliers or subcontractors, and Siemens reserves the right to make partial deliveries or modify its labor or services. While Siemens shall make every commercially reasonable effort to meet the delivery or service or completion date mentioned above, such date is subject to change. Any reasonable delays shall be clearly communicated to the County of Alachua County in writing explaining the project impact and schedule deviation.

- B. Materials - Except where previously mentioned, all materials will be new and unused. No parts from the original circuit will be reconditioned and reused in the new replacement breaker.
- C. Packaging - Equipment will be packaged for normal shipment for mechanical and control equipment. Equipment will require protected storage at the jobsite. This normally requires clean, dry, protected, indoor location with constant temperature. Protection against condensation prior to energizing is required.
- D. Inspection Prior to Shipment - With proper advance notification, inspection of the equipment after assembly and prior to shipment is encouraged. If required, special inspection and any witnessing of manufacturer's standard production tests are an available option (\$2000 per day per person).

Warranty – ALL PARTS 18 Months, COMPRESSOR 66 Months, Refrigerant Warranty 18 Months

Cancellation - An order or contract may be cancelled by the Purchaser only upon written notice and upon payment to the Company or reasonable and proper cancellation charges. The expenses covered by the charges would include any unrecoverable costs incurred by the Company. In addition to charges based on expenses incurred, and additional charge equal to 10% of net selling price will be made to compensate for indirect cost in billing and necessary scheduling changes.

- I. Customer Requirements - An outage is required during the duration of the installation. Customer will be responsible for:
 - i. Providing a contact person at the site available during work scope performance
 - ii. Coordinating with Siemens Lock Out / Tag Out (LOTO) procedures in conjunction with facility specific requirements
 - iii. Working with Siemens to approve and Siemens to obtain any permits and approvals required to perform the work
 - iv. Provide sufficient workspace task lighting
- J. Complete Safety walk and review of work scope location to include identification and proof of in service and out of service bus/equipment/power/etc.

Inclusions:

- A. Long Lead Items Freight – twelve (8-10) weeks from approved submittals
- B. Freight (FOB Destination, standard ground only)
- C. Engineering – manufacture validation and documentation.
- D. Project Management for Siemens Scope of work
- E. System Testing and Commissioning
- F. Material and Labor as defined in the proposal
- G. Applicable Wage Rates

H. One (1) year labor warranty on installation from the date of substantial completion. Warranties will be registered at time of equipment installation.

I. Applicable Use Taxes

Sell Price

Total Quote Price	\$312,797
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CONTRACT 20-18 Mark up RATES PRICING

MATERIALS				SUBCONTRACTORS				SIEMENS LABOR				
	COST	MARK UP	USE TAX 7%	TOTAL		Cost	MARK UP		HR/RATE	HRS		
Chiller	132922	1.2	11165.448	170671.8	Rigging and Welding	17800	1.2	21360	Mechanics	\$118	240	\$28,320
Piping Materials	14575	1.2	1224.3	18714.3	Transport Boom	2925	1.2	3510	Electrician	\$99	80	\$7,920
Insulation	2462	1.2	206.808	3161.208	Electrician	4600	1.2	5520	Project Manager	\$176	160	\$28,160
Wire	1405	1.2	118.02	1804.02	Insulator	7625	1.2	9150				
TOTAL				194351.4	Refrigerant recovery	4550	1.2	5460	Engineering	\$145	40	\$5,800
					Chillers disposal	2705	1.2	3246	TOTAL			\$70,200
							48246					

Payment Terms

Payment Terms Acceptance Agreement

The total price of: \$312,797.00 and the estimated return on investment are based on the items outlined in this proposal. ANY statements made herein regarding savings that may be achieved by implementing the services offered in this proposal are estimates only. No warranty, either expressed or implied, shall be construed to arise from such statements, nor shall such statements be construed as constituting a guarantee by Siemens that such savings will occur if the services are implemented.

Terms and Conditions Disclaimer

The Customer acknowledges that when approved by the Customer and accepted by Siemens Industry, Inc.: (i) the Proposal and the Contract Terms and Conditions, (together with any other documents incorporated into the forgoing) shall constitute the entire agreement of the parties with respect to its subject matter (collectively, hereinafter referred to as the "Agreement") and (ii) in the event of any conflict between the terms and conditions of the Proposal and the terms and conditions of The Contract Terms and Conditions, the Contract Terms and Conditions shall control.

BY EXECUTION HEREOF, THE SIGNER CERTIFIES THAT (S)HE HAS READ ALL OF THE TERMS AND CONDITIONS AND DOCUMENTS, THAT SIEMENS OR ITS REPRESENTATIVES HAVE MADE NO AGREEMENTS OR REPRESENTATIONS EXCEPT AS SET FORTH THEREIN, AND THAT (S)HE IS DULY AUTHORIZED TO EXECUTE THE SIGNATURE PAGE ON BEHALF OF THE CUSTOMER.

This Proposal is based on the Siemens Industry, Inc. Standard Terms and Conditions and the "Scope of Work" and are to be considered part of this proposal. Proposal is valid for thirty (30) days from the delivery date of March 09, 2021. Payment is due within 30 days of invoice date.

Payment Terms: 25% mobilization in advance, progress payments

Total: \$312,797.00

Terms & Conditions Link(s)

Terms and Conditions (Click to download)
Terms & Conditions (Projects) (http://go.siemens.net/15156302)
Terms & Conditions (Products Only) (http://go.siemens.net/15492770)

As a result of the global Covid-19 Virus outbreak, temporary delays in delivery, labor or services from Siemens and its sub-suppliers or subcontractors may occur. Among other factors, Siemens' delivery is subject to the correct and punctual supply from sub-suppliers or subcontractors, and Siemens reserves the right to make partial deliveries or modify its labor or services. While Siemens shall make every commercially reasonable effort to meet the delivery or service or completion date mentioned above, such date is subject to change.

Attachment A

Riders (Click on rider below to download)
SI Monitoring Rider (www.siemens.com/download?A6V10946171)
SI Online Backup and Data Protection (www.siemens.com/download?A6V10946174)
SI UBM or Utility Procurement (www.siemens.com/download?A6V10946178)
SI Software License Warranty (www.siemens.com/download?A6V10946180)
SI Consulting Rider (www.siemens.com/download?A6V10946838)
SI Third Party Rider (Smart Air Quality™) (http://go.siemens.net/37893169)



Signature Page

Proposed by:

Siemens Industry, Inc.

Company

Philip R. Garces

Name

5534902

Proposal #

\$312,797.00

Proposal Amount

March 09, 2021

Date

Accepted by:

ALACHUA COUNTY

Company

Name (Printed)

Signature

Title

Date

Purchase Order #