

COUNTY OF ROCKLAND
Department of General Services
Purchasing Division

Contract Award Notification

Title: Pumps-Replacement Parts for Cornell Pumps

Contract Period: February 4, 2022, through August 3, 2022, with (4) six-month options

Original Date of Issue: February 4, 2022

Date of Revision:

BID No: RFB-RC-2022-015

Catalog: Wastewater Treatment

Authorized Users: County Agencies, All Political Subdivisions

Address Inquires To:

Name: Michelle Phillips
Title: Purchaser I
Phone: 845-364-2984
Fax: 845-364-3809
E-mail: phillipm@co.rockland.ny.us

Description

This contract is to provide replacement parts of various Cornell Pumps.

Contract #	Vendor Number	Contractor & Address	Telephone No.
Bid 22-015	0000020528	Koester Associates, Inc. 3101 Senaca Turnpike Canastota, NY 13032 Contact: Richard Canton rcanton@koesterassociates.com Pamela Leary pleary@koesterassociates.com	973-492-0400 Ext. 213/ 315-697-3800 CELL: 201-446-0485 FAX: 973-492-9581

COUNTY OF ROCKLAND
 DGS – PURCHASING DEPARTMENT
 BLDG. A, 2ND FLOOR, 50 SANATORIUM ROAD
 POMONA, NY 10970
 TELEPHONE NO.: 845-364-3820
 FAX NO.: 845-364-3809

VENDOR: KOESTER
 ASSOCIATES

LINE NO.	DESCRIPTION	ITEM NUMBER	ESTIMATED EXPENDITURES/ QUANTITIES	UNIT	UNIT PRICE/PERCENT DISCOUNT	MANUFACTURER AND PRODUCT CODE	EXTENDED COST
1	Furnish and Deliver Rotating Assemblies for Cornell Pump Model 4NNT-F16	72064500001	1	EACH	\$ 6,750.0	Cornell 4NNT-F16	\$ 6,750.0
2	Furnish and Deliver Rotating Assemblies for Cornell Pump Model 6NHTA-VF16	72064500002	1	EACH	\$ 10,875.0	Cornell 6NHTA-VF16	\$ 10,875.0
3	Furnish and Deliver Rotating Assemblies for Cornell Pump Model 6NHTB-VF18-DB	72064500003	1	EACH	\$ 22,375.0	Cornell 6NHTB-VF18-DB	\$ 22,375.0
4	Furnish and Deliver Rotating Assemblies Cornell Pump Model 8NHTA-VF18DB	72064500004	1	EACH	\$ 22,875.0	Cornell 8NHTA-VF18DB	\$ 22,875.0
5	Furnish and Deliver Rotating Assemblies for Cornell Pump Model 10NHTA-VF18DB	72064500005	1	EACH	\$ 25,675.0	Cornell 10NHTA-VF18DB	\$ 25,675.0
6	Discount from manufacturer's (Cornell) list price for parts not specifically listed. STRUCTURE #1 - FOB Destination, Freight Prepaid and Added (SEE SPECIFICATION). Bidder to enter the discount as a whole number (e.g.10%=.10)	72064500007	\$10,000.00	5% Discount	5.00%	Cornell-PARTS- No Freight Included	

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LINE NO.	DESCRIPTION	ITEM NUMBER	ESTIMATED EXPENDITURES/ QUANTITIES	UNIT	UNIT PRICE/PERCENT DISCOUNT	MANUFACTURER AND PRODUCT CODE	EXTENDED COST
7	Discount from manufacturer's (Cornell) list price for parts not specifically listed. STRUCTURE #2- FOB Destination, Freight Prepaid and Allowed (SEE SPECIFICATION). Bidder to enter the discount as a whole number (e.g.10%=.10)	72064500008	\$10,000.00	1% Discount	1.00%	Cornell-PARTS-Freight Included	

Bill of Material Report - 79468
Cornell Pump Company

Item	List Price	Effective Date	Desc
A16439A-6-SG	1,700.00	1/1/22	WEAR RING CASE, 11.50 X 11.01 X 1.38 (450-500 BHN)
A16439B-6-SG	1,925.00	1/1/22	WEAR RING IMP, 10.98 X 10.46 X 1.38 (350-400 BHN)
A20087-15-SG	2,320.00	1/1/22	SLV 3.00 X 2.62 X 6.00 (400-500 BHN)
A15250U-59-EB	12.00	1/1/22	O-RING 2.62 X 2.81 X .09 THICK
E3041-2-CJ-R	15,365.00	1/1/22	VOLUTE 8NH-2-2 W/CO
A14526-142-CI	1,175.00	1/1/22	SUCTION INSERT
A21151G-183-PL	23.00	1/1/22	FLANGE PROTECTOR, 8"
A659AC-197-GA	23.00	1/1/22	VOL. GASKET
A14433D-56-XS	29.00	1/1/22	PIPE PLUG .50 NPT (SOLID PLUG)
A11625B-29-SK	80.00	1/1/22	VENT PLUG .25 NPT CS9012-364370
A14527-94-CI	370.00	1/1/22	CLEANOUT COVER #1 8NHSTA STD.
A8955-197-EN	29.00	1/1/22	GASKET (CLEAN-OUT COVER)
A14419F-128-SM	29.00	1/1/22	CPSCR,HEX .50NC X 1.25 GR5
D3725-3-CI-R	4,690.00	1/1/22	IMPELLER 8NH-3-4R
A11785-13-ST	65.00	1/1/22	IMPELLER WASHER-.77 X 3.00 X 1.00
A14383-12-SD	60.00	1/1/22	LOCKSCREW .75NC X 2.50 SOC 18-8
A13441B-28-KS	40.00	1/1/22	KEY .50 X 3.00
A12339C-107-SDA	35.00	1/1/22	IMPELLER SHIM .015" THICK (AS REQ'D)
A15320D-61-SK	29.00	1/1/22	ROLL PIN .12 X .62 STEEL
D4257-38-CJ	4,310.00	1/1/22	BACKPLATE 8NHSTA
A14419H-128-SM	29.00	1/1/22	CPSCR,HEX .50NC X 1.75 GR5
A14433B-56-XS	29.00	1/1/22	PIPE PLUG .25 NPT (SOLID PLUG)
B2002-5-CI	500.00	1/1/22	PACKING GLAND
A12400A-331-SD	29.00	1/1/22	GLAND CLIPS
A5203B-32-SD	40.00	1/1/22	GLAND STUD .50 X 2.50
A14426E-362-SD	29.00	1/1/22	JAM NUT .50NC STD HEX 18-8
A14457C-10-PK	4.25	1/1/22	PACKING .62 (234)
A2610-46-TE	320.00	1/1/22	LANTERN RING
A14386B-97	465.00	1/1/22	GREASE CUP .25 43570-A2
A16097B-365-XS	12.00	1/1/22	EL, STR 45 .25NPT STD STL
E26094-8-CI	1,085.00	1/1/22	FRAME F18 MACHINED FOR PILOT
A14194-262-SK	60.00	1/1/22	BREATHER .50 NPT
A14433D-56-XS	29.00	1/1/22	PIPE PLUG .50 NPT (SOLID PLUG)
A17096-43-SK	185.00	1/1/22	GREASE SHIELD-F18
A15156D-35-RS	95.00	1/1/22	SNAP RING N5000-675
B3171-14-SP	1,810.00	1/1/22	SHAFT F18-8NHG/T/TA
A16814O-20	255.00	1/1/22	BEARING 18B/18DBPE
A15019H-20	555.00	1/1/22	BEARING 18DBDE
A14566M-363-SK	17.00	1/1/22	LOCK WASHER W-16
A14568M-129-SK	65.00	1/1/22	LOCK NUT AN-16
D1662-4-CI	520.00	1/1/22	BRACKET 40B4
A14423J-128-SM	29.00	1/1/22	CPSCR,HEX .62NC X 2.25 GR5
A14419G-128-SM	29.00	1/1/22	CPSCR,HEX .50NC X 1.50 GR5
A17073B-18	45.00	1/1/22	LIP SEAL VA504711

Bill of Material Report - SN 77855
Cornell Pump Company

Item	List Price	Desc
A3058-6-CI	310.00	WEAR RING, 4N
A11536-15-SG	1,265.00	SLV 2.00 X 1.62 X 3.75 (400-500 BHN)
A15250M-59-EB	29.00	O-RING 1.62 X 1.81 X .09 THK
D5109-2-CI-R	3,670.00	VOLUTE 4NNT-2R W/CO
A659X-197-GA	40.00	VOL. GASKET
A14433B-56-XS	29.00	PIPE PLUG .25 NPT (SOLID PLUG)
A9093-94-CI	45.00	CLEANOUT COVER A9093 (OBS, USE A9093-94-CP)
A9801-16-EB	29.00	DEFLECTOR/CLEANOUT COVER GASKET
A14419F-128-SM	29.00	CPSCR,HEX .50NC X 1.25 GR5
A21151D-183-PL	17.00	FLANGE PROTECTOR, 4"
A13111-3-CI-R	1,045.00	IMPELLER 4NNT-3-3R
A1146-13-ST	35.00	IMPELLER WASHER-.66 X 1.94 X .83
A14374-12-SD	29.00	LOCKSCREW .62NC X 1.50 SOC 18-8
A12121-28-KS	125.00	KEY .38 X 2.50 FULL RADIUS
A12339A-107-Sda	35.00	IMPELLER SHIM .015" THICK (AS REQ'D)
D3932-38-CI	2,080.00	BACKPLATE (PARTS ORDERS ONLY)
A14419E-128-SM	29.00	CPSCR,HEX .50NC X 1.00 GR5
A15007Y-40	745.00	OBS, USE A17264Q-40
E26292-8-CI	900.00	FRAME F16 W/ MACHINING FOR PILOT BRACKET (OBS, USE E26175-8-CI)
A17327-45-CI	175.00	FOOT MOUNTING F16/F18
A14423G-128-SM	29.00	CPSCR,HEX .62NC X 1.50 GR5
A14194-262-SK	60.00	BREATHER .50 NPT
A14433D-56-XS	29.00	PIPE PLUG .50 NPT (SOLID PLUG)
B3165-14-SP	1,070.00	SHAFT F16 4NN
A15016M-20	105.00	BEARING 16B
D211-4-CI	835.00	BRACKET 8B4
A14423H-128-SM	29.00	CPSCR,HEX .62NC X 1.75 GR5
A14419G-128-SM	29.00	CPSCR,HEX .50NC X 1.50 GR5
A14419F-128-SM	29.00	CPSCR,HEX .50NC X 1.25 GR5
A17073A-18	50.00	LIP SEAL VA504636
A17074A-154-SK	29.00	GRS FTG .25-28 TPR THRD 90DG
A3438-16-EB	35.00	DEFLECTOR
A17070A-107-AS	29.00	SHIM .010 THICK (AS REQ'D)
A17070B-107-AS	29.00	SHIM .005 THICK (AS REQ'D.)
B3148-22-CI	140.00	BEARING COVER (F16 & F18)
A14423G-128-SM	29.00	CPSCR,HEX .62NC X 1.50 GR5
A13441A-28-KS	40.00	KEY .50 X 4.00

Bill of Material Report - SN 85450
Cornell Pump Company

Item	List Price	Desc
A16439A-6-SG	1,700.00	WEAR RING CASE, 11.50 X 11.01 X 1.38 (450-500 BHN)
A16439B-6-SG	1,925.00	WEAR RING IMP, 10.98 X 10.46 X 1.38 (350-400 BHN)
A20087-15-SG	2,320.00	SLV 3.00 X 2.62 X 6.00 (400-500 BHN)
A15250U-59-EB	12.00	O-RING 2.62 X 2.81 X .09 THICK
E3041-2-MA-R	15,520.00	VOLUTE 8NH-2-2 W/CO
A14526-142-CI	1,175.00	SUCTION INSERT
A21151G-183-PL	23.00	FLANGE PROTECTOR, 8"
A659AC-197-GA	23.00	VOL. GASKET
A14433D-56-XS	29.00	PIPE PLUG .50 NPT (SOLID PLUG)
A14527-94-MA	580.00	CLEANOUT COVER #1 8NH8TA STD.
A8955-197-EN	29.00	GASKET (CLEAN-OUT COVER)
A14419F-128-SM	29.00	CPSCR,HEX .50NC X 1.25 GR5
D3725-3-CI-R	4,690.00	IMPELLER 8NH-3-4R
A11785-13-ST	65.00	IMPELLER WASHER-.77 X 3.00 X 1.00
A14383-12-SD	60.00	LOCKSCREW .75NC X 2.50 SOC 18-8
A13441B-28-KS	40.00	KEY .50 X 3.00
A12339C-107-SDA	35.00	IMPELLER SHIM .015" THICK (AS REQ'D)
A15320D-61-SK	29.00	ROLL PIN .12 X .62 STEEL
D4258-38-MA	7,230.00	BACKPL. 3"T1 SGL.-8NH-38-6
A14419H-128-SM	29.00	CPSCR,HEX .50NC X 1.75 GR5
A14433B-56-XS	29.00	PIPE PLUG .25 NPT (SOLID PLUG)
A15009X-40	1,315.00	OBS, USE A16972Q-40
E3065-8-CI	6,955.00	FRAME 8VCX 16.5 BD
A14419H-128-SM	29.00	CPSCR,HEX .50NC X 1.75 GR5
B2883-14-SP	2,890.00	SHAFT 8NH8TA
A13441E-28-KS	50.00	KEY .50 X 2.25
A3099-16-EB	40.00	DEFLECTOR
D3188-22-CI	1,365.00	BEARING COVER D3188
A14417G-128-SM	29.00	CPSCR,HEX .38NC X 1.50 GR5
A14512D-154-SK	29.00	GREASE FTG .25"NPT STRAIGHT
A13560-170-CI	855.00	LABYRINTH RING
A15020H-20	1,115.00	BEARING 18DRPE
A9813-303-PT	70.00	CPLG SHIELD
D3187-22-CI	975.00	BEARING COVER D3187
A14417G-128-SM	29.00	CPSCR,HEX .38NC X 1.50 GR5
A14512D-154-SK	29.00	GREASE FTG .25"NPT STRAIGHT
A15156D-35-RS	95.00	SNAP RING N5000-675
A15019H-20	555.00	BEARING 18DBDE
A15028-273-SK	95.00	BEARING SHIELD
A14568M-129-SK	65.00	LOCK NUT AN-16
A14566M-363-SK	17.00	LOCK WASHER W-16
A20250-165-SK	500.00	MOUNTING PLATE - VIB. SWITCH
A14594C-384-SK	23.00	PLATE .375
A16105B-433-SK	5.00	THREADED ROD .62-11
A14423E-128-SM	29.00	CPSCR,HEX .62NC X 1.00 GR5
A14414J-362-SK	12.00	NUT, .62 NC HEAVY HEX STEEL

Bill of Material Report - SN'S 81769-81771
Cornell Pump Company

Part Number	Description	Unit Price	Required Qty
TB00108	6NHTA-VF18 PKG,8X6,MTR BRKT.	0	1.00 EA
A13620A-6-SG	WEAR RING CASE, 7.5X7.1X6.0X1.44 (450-500BHN)PARTS	2,620.00	1.00 EA
A13620B-6-SG	WEAR RING IMP, 7.07 X 6.71 X 1 (400-425BHN) PARTS	2,620.00	1.00 EA
A11535-15-SG	SLV 3.00 X 2.62 X 3.75 (400-500 BHN)	1,215.00	1.00 EA
A15250U-59-EB	O-RING 2.62 X 2.81 X .09 THICK	12.00	1.00 EA
D5108-2-CJ-R	VOLUTE 6NHT-2R W/CO	5,275.00	1.00 EA
A659M-197-GA	VOLUTE GASKET	23.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	5.00 EA
B1714-94-CI	CLEANOUT COVER, 6NH	255.00	1.00 EA
A15253Q-59-EB	O-RING 3.88 X 4.25 X .19 THK	35.00	1.00 EA
A14419F-128-SM	CPSCR,HEX .50NC X 1.25 GR5	29.00	2.00 EA
A12761C-3-CI-R	IMP. (FOR PARTS ORDERS ONLY)	4,660.00	1.00 EA
A16479-13-ST	IMPELLER WASHER-.81 X 2.44 X .88	105.00	1.00 EA
A14743-12-SD	LOCKSCREW .75NC X 3.00 SOC 18-8	60.00	1.00 EA
A13434F-28-KS	KEY .38 SQ X 3.00	29.00	1.00 EA
A15320D-61-SK	ROLL PIN .12 X .62 STEEL	29.00	1.00 EA
A12339C-107-SDA	IMPELLER SHIM .015" THICK (AS REQ'D)	35.00	3.00 EA
E2460-38-CJ	BACKPL.3"PKG -4-6N-38 11.5 REG	2,705.00	1.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	8.00 EA
A12038-46-TE	LANTERN RING	250.00	1.00 EA
A14386B-97	GREASE CUP .25 43570-A2	465.00	1.00 EA
B2022-5-CI	PACKING GLAND	640.00	1.00 EA
A12400A-331-SD	GLAND CLIPS	29.00	2.00 EA
A5203A-32-SD	GLAND STUD .50 X 2.00	35.00	2.00 EA
A14426E-362-SD	JAM NUT .50NC STD HEX 18-8	29.00	2.00 EA
E2981-8-CI	OBS, USE E4104-8-CI	465.00	1.00 EA
A14194-262-SK	BREATHER .50 NPT	60.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	2.00 EA
A17096-43-SK	GREASE SHIELD-F18	185.00	1.00 EA
A15156D-35-RS	SNAP RING N5000-675	95.00	1.00 EA
B3172-14-SP	SHAFT F18 - 8NNT	1,405.00	1.00 EA
A17075-238-SK	BEARING SPACER	250.00	1.00 EA
A16814O-20	BEARING 18B/18DBPE	255.00	2.00 EA
A14566M-363-SK	LOCK WASHER W-16	17.00	1.00 EA
A14568M-129-SK	LOCK NUT AN-16	65.00	1.00 EA
D1662-4-CI	BRACKET 40B4	520.00	1.00 EA
A14423J-128-SM	CPSCR,HEX .62NC X 2.25 GR5	29.00	4.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	8.00 EA
A17073B-18	LIP SEAL VA504711	45.00	2.00 EA
A17074A-154-SK	GRS FTG .25-28 TPR THRD 90DG	29.00	2.00 EA
A17071A-107-AS	SHIM .010 THICK (AS REQ'D.)	29.00	3.00 EA
A17071B-107-AS	SHIM .005 THICK (AS REQ'D.)	29.00	1.00 EA
B3148-22-CI	BEARING COVER (F16 & F18)	140.00	1.00 EA
A17120-197-GB	D.E.GASKET (F16K-F18K)	25.00	2.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	4.00 EA
A13518A-28-KS	KEY .62 X 4.00	17.00	1.00 EA
E503-57-CI	BASE ELBOW 6 X 8 6NH-57	2,905.00	1.00 EA
A14433E-56-XS	PIPE PLUG .75 NPT (SOLID PLUG)	29.00	1.00 EA

Bill of Material Report - SN'S 81769-81771
Cornell Pump Company

Part Number	Description	Unit Price	Required Qty
B154B-94-CI	CLEANOUT COVER W/2.0"NPT TAP	1,655.00	1.00 EA
A11453-197-EN	GASKET (CLEAN-OUT COVER)	40.00	1.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	2.00 EA
A14433I-56-XS	PIPE PLUG 2.0 NPT (SOLID PLUG)	45.00	1.00 EA
A14422J-128-SM	CPSCR,HEX .75NC X 2.25 GR5	29.00	8.00 EA
A15856H-197-GD	GSKT.(RING)6" PIPE 6.62 X 8.75	29.00	1.00 EA
D3777-4-CI	MOTOR BRACKET 16.5"BD, 21B4	2,850.00	1.00 EA
Y1498-999	VIBRATION SWITCH VT1215NM0100	2,255.00	1.00 EA
A20195-165-SK	MOUNTING PLATE - VIB. SWITCH	240.00	1.00 EA
A14423E-128-SM	CPSCR,HEX .62NC X 1.00 GR5	29.00	2.00 EA
A14415E-128-SM	CPSCR,HEX .25NC X 1.00 GR5	29.00	3.00 EA

Bill of Material Report - SN'S 81772-81774
Cornell Pump Company

Part Number	Description	Unit Price	Required Qty
TB00109	6NHTA-VF18DR T1 SGL,8X6,MTRBRT	0	1.00 EA
A13620A-6-SG	WEAR RING CASE, 7.5X7.1X6.0X1.44 (450-500BHN)PARTS	2,620.00	1.00 EA
A13620B-6-SG	WEAR RING IMP, 7.07 X 6.71 X 1 (400-425BHN) PARTS	2,620.00	1.00 EA
A11535-15-SG	SLV 3.00 X 2.62 X 3.75 (400-500 BHN)	1,215.00	1.00 EA
A15250U-59-EB	O-RING 2.62 X 2.81 X .09 THICK	12.00	1.00 EA
D5108-2-CJ-L	VOLUTE 6NHT-2L W/CO	5,000.00	1.00 EA
A659M-197-GA	VOLUTE GASKET	23.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	5.00 EA
B1714-94-CI	CLEANOUT COVER, 6NH	255.00	1.00 EA
A15253Q-59-EB	O-RING 3.88 X 4.25 X .19 THK	35.00	1.00 EA
A14419F-128-SM	CPSCR,HEX .50NC X 1.25 GR5	29.00	2.00 EA
A12761C-3-CI-L	IMP. (FOR PARTS ORDERS ONLY)	4,660.00	1.00 EA
CD3019-3-CP-L	IMPELLER D3019-3-L	1,120.00	1.00 EA
A14743-12-SD	LOCKSCREW .75NC X 3.00 SOC 18-8	60.00	1.00 EA
A13434F-28-KS	KEY .38 SQ X 3.00	29.00	1.00 EA
A15320D-61-SK	ROLL PIN .12 X .62 STEEL	29.00	1.00 EA
A12339C-107-SDA	IMPELLER SHIM .015" THICK (AS REQ'D)	35.00	3.00 EA
D3886-38-CJ	BACKPL. 4-6N-38-2 3"T1 SGL.	2,320.00	1.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	8.00 EA
A16972Q-40	SEAL 3001S RP	1,380.00	1.00 EA
E26094-8-CI	FRAME F18 MACHINED FOR PILOT	1,085.00	1.00 EA
A14194-262-SK	BREATHER .50 NPT	60.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	2.00 EA
A17096-43-SK	GREASE SHIELD-F18	185.00	1.00 EA
A15156D-35-RS	SNAP RING N5000-675	95.00	1.00 EA
B3172-14-SP	SHAFT F18 - 8NNT	1,405.00	1.00 EA
A15020H-20	BEARING 18DRPE	1,115.00	1.00 EA
A15019H-20	BEARING 18DBDE	555.00	2.00 EA
A14566M-363-SK	LOCK WASHER W-16	17.00	1.00 EA
A14568M-129-SK	LOCK NUT AN-16	65.00	1.00 EA
D1662-4-CI	BRACKET 40B4	520.00	1.00 EA
A14423J-128-SM	CPSCR,HEX .62NC X 2.25 GR5	29.00	4.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	8.00 EA
A17073B-18	LIP SEAL VA504711	45.00	2.00 EA
A17074A-154-SK	GRS FTG .25-28 TPR THRD 90DG	29.00	2.00 EA
A17071A-107-AS	SHIM .010 THICK (AS REQ'D.)	29.00	3.00 EA
A17071B-107-AS	SHIM .005 THICK (AS REQ'D.)	29.00	1.00 EA
B3148-22-CI	BEARING COVER (F16 & F18)	140.00	1.00 EA
A17120-197-GB	D.E.GASKET (F16K-F18K)	25.00	2.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	4.00 EA
A13518A-28-KS	KEY .62 X 4.00	17.00	1.00 EA
E503-57-CI	BASE ELBOW 6 X 8 6NH-57	2,905.00	1.00 EA
A14433E-56-XS	PIPE PLUG .75 NPT (SOLID PLUG)	29.00	1.00 EA
B154B-94-CI	CLEANOUT COVER W/2.0"NPT TAP	1,655.00	1.00 EA
B154-94-CI	CLEANOUT COVER B154, NO NPT	110.00	1.00 EA
A11453-197-EN	GASKET (CLEAN-OUT COVER)	40.00	1.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	2.00 EA
A14433I-56-XS	PIPE PLUG 2.0 NPT (SOLID PLUG)	45.00	1.00 EA

Bill of Material Report - SN'S 81772-81774
Cornell Pump Company

Part Number	Description	Unit Price	Required Qty
A14422J-128-SM	CPSCR,HEX .75NC X 2.25 GR5	29.00	8.00 EA
A15856H-197-GD	GSKT.(RING)6" PIPE 6.62 X 8.75	29.00	1.00 EA
D3777-4-CI	MOTOR BRACKET 16.5"BD, 21B4	2,850.00	1.00 EA
Y1498-999	VIBRATION SWITCH VT1215NM0100	2,255.00	1.00 EA
A20195-165-SK	MOUNTING PLATE - VIB. SWITCH	240.00	1.00 EA
A14594C-384-SK	PLATE .375	23.00	1.00 SF
A14423E-128-SM	CPSCR,HEX .62NC X 1.00 GR5	29.00	4.00 EA
A14415E-128-SM	CPSCR,HEX .25NC X 1.00 GR5	29.00	3.00 EA

Bill of Material Report - SN'S 82962-82966
Cornell Pump Company

Item	List Price	Desc
A3058-6-CI	310.00	WEAR RING, 4N
A11536-15-SG	1,265.00	SLV 2.00 X 1.62 X 3.75 (400-500 BHN)
A15250M-59-EB	29.00	O-RING 1.62 X 1.81 X .09 THK
D4306-2-CI-R	3,580.00	VOLUTE 4NNT-2-1 W/CO
A659X-197-GA	40.00	VOL. GASKET
A14433B-56-XS	29.00	PIPE PLUG .25 NPT (SOLID PLUG)
A9093-94-CI	45.00	CLEANOUT COVER A9093 (OBS, USE A9093-94-CP)
A9801-16-EB	29.00	DEFLECTOR/CLEANOUT COVER GASKET
A14419F-128-SM	29.00	CPSCR,HEX .50NC X 1.25 GR5
A21151D-183-PL	17.00	FLANGE PROTECTOR, 4"
A13111-3-CI-R	1,045.00	IMPELLER 4NNT-3-3R
A1146-13-ST	35.00	IMPELLER WASHER-.66 X 1.94 X .83
A14374-12-SD	29.00	LOCKSCREW .62NC X 1.50 SOC 18-8
A12121-28-KS	125.00	KEY .38 X 2.50 FULL RADIUS
A12339A-107-SDA	35.00	IMPELLER SHIM .015" THICK (AS REQ'D)
D3932-38-CI	2,080.00	BACKPLATE (PARTS ORDERS ONLY)
A14419E-128-SM	29.00	CPSCR,HEX .50NC X 1.00 GR5
A15007Y-40	745.00	OBS, USE A17264Q-40
E26292-8-CI	900.00	FRAME F16 W/ MACHINING FOR PILOT BRACKET (OBS, USE E26175-8-CI)
A17327-45-CI	175.00	FOOT MOUNTING F16/F18
A14423G-128-SM	29.00	CPSCR,HEX .62NC X 1.50 GR5
A14194-262-SK	60.00	BREATHER .50 NPT
A14433D-56-XS	29.00	PIPE PLUG .50 NPT (SOLID PLUG)
B3165-14-SP	1,070.00	SHAFT F16 4NN
A15016M-20	105.00	BEARING 16B
D211-4-CI	835.00	BRACKET 8B4
A14423H-128-SM	29.00	CPSCR,HEX .62NC X 1.75 GR5
A14419G-128-SM	29.00	CPSCR,HEX .50NC X 1.50 GR5
A14419F-128-SM	29.00	CPSCR,HEX .50NC X 1.25 GR5
A17073A-18	50.00	LIP SEAL VA504636
A17074A-154-SK	29.00	GRS FTG .25-28 TPR THRD 90DG
A3438-16-EB	35.00	DEFLECTOR
A17070A-107-AS	29.00	SHIM .010 THICK (AS REQ'D)
A17070B-107-AS	29.00	SHIM .005 THICK (AS REQ'D.)
B3148-22-CI	140.00	BEARING COVER (F16 & F18)
A14423G-128-SM	29.00	CPSCR,HEX .62NC X 1.50 GR5
A13441A-28-KS	40.00	KEY .50 X 4.00

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Bill of Material Report
Cornell Pump Company
SN# 81772 sold in 1994 LOC PUMP

Part Number	Description	Unit Price	Required Qty
TB00109	6NHTA-VF18DR T1 SGL,8X6,MTRBRT	0	1.00 EA
BMF720B-A01	6NHTA-VF18DR T1 SGL. W/CO	0.00	1.00 EA
A13620A-6-SG	WEAR RING CASE, 7.5X7.1X6.0X1.44 (450-500BHN)PARTS	2,620.00	1.00 EA
A14776O-372-SL	BUSHING STOCK 5.50 X 8.12	120.00	1.75 IN
A13620B-6-SG	WEAR RING IMP, 7.07 X 6.71 X 1 (400-425BHN) PARTS	2,620.00	1.00 EA
A14776O-372-SL	BUSHING STOCK 5.50 X 8.12	120.00	1.25 IN
A11535-15-SG	SLV 3.00 X 2.62 X 3.75 (400-500 BHN)	1,215.00	1.00 EA
A16117V-14-SL	SHAFTING 3.25 DIA	40.00	4.00 IN
A15250U-59-EB	O-RING 2.62 X 2.81 X .09 THICK	12.00	1.00 EA
BM9133B-A05	VOL W/CO LH-6NHT,TA,G,P	0.00	1.00 EA
D5108-2-CJ-L	VOLUTE 6NHT-2L W/CO	5,000.00	1.00 EA
CD2215-2-CJ-L	VOLUTE 6NHT-2L WO/CO	2,750.00	1.00 EA
A659M-197-GA	VOLUTE GASKET	23.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	5.00 EA
B1714-94-CI	CLEANOUT COVER, 6NH	255.00	1.00 EA
A15253Q-59-EB	O-RING 3.88 X 4.25 X .19 THK	35.00	1.00 EA
A14419F-128-SM	CPSCR,HEX .50NC X 1.25 GR5	29.00	2.00 EA
BMF235B-A01	IMPELLER 6NHTA 3"SLV.	0.00	1.00 EA
A12761C-3-CI-L	IMP. (FOR PARTS ORDERS ONLY)	4,660.00	1.00 EA
CD3019-3-CP-L	IMPELLER D3019-3-L	1,120.00	1.00 EA
A16479-13-ST	IMPELLER WASHER-.81 X 2.44 X .88	105.00	1.00 EA
A14743-12-SD	LOCKSCREW .75NC X 3.00 SOC 18-8	60.00	1.00 EA
A13434F-28-KS	KEY .38 SQ X 3.00	29.00	1.00 EA
A15320D-61-SK	ROLL PIN .12 X .62 STEEL	29.00	1.00 EA
A12339C-107-SDA	IMPELLER SHIM .015" THICK (AS REQ'D)	35.00	3.00 EA
BMC908A-A07	BACKPL. 3"T1 SGL.-4&6"NC 11.5	0.00	1.00 EA
D3886-38-CJ	BACKPL. 4-6N-38-2 3"T1 SGL.	2,320.00	1.00 EA
CD5157-38-CJ	BACKPLATE 4-6N-38-2	675.00	1.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	8.00 EA
A16972Q-40	SEAL 3001S RP	1,380.00	1.00 EA
BME740A	FRAME VF18DR,B3172 SH. (OBS)	0.00	1.00 EA
E2981-8-CI	OBS, USE E4104-8-CI	465.00	1.00 EA
A14194-262-SK	BREATHER .50 NPT	60.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	2.00 EA
A17096-43-SK	GREASE SHIELD-F18	185.00	1.00 EA
A15156D-35-RS	SNAP RING N5000-675	95.00	1.00 EA
B3172-14-SP	SHAFT F18 - 8NNT	1,405.00	1.00 EA
A16117X-14-SP	SHAFTING 3.50 DIA	17.00	29.96 IN
A15020H-20	BEARING 18DRPE	1,115.00	1.00 EA
A15019H-20	BEARING 18DBDE	555.00	2.00 EA
A14566M-363-SK	LOCK WASHER W-16	17.00	1.00 EA
A14568M-129-SK	LOCK NUT AN-16	65.00	1.00 EA
D1662-4-CI	BRACKET 40B4	520.00	1.00 EA
A14423J-128-SM	CPSCR,HEX .62NC X 2.25 GR5	29.00	4.00 EA

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Bill of Material Report
Cornell Pump Company
SN# 81772 sold in 1994 LOC PUMP

Part Number	Description	Unit Price	Required Qty
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	8.00 EA
A17073B-18	LIP SEAL VA504711	45.00	2.00 EA
A17074A-154-SK	GRS FTG .25-28 TPR THRD 90DG	29.00	2.00 EA
A17071A-107-AS	SHIM .010 THICK (AS REQ'D.)	29.00	3.00 EA
A17071B-107-AS	SHIM .005 THICK (AS REQ'D.)	29.00	1.00 EA
B3148-22-CI	BEARING COVER (F16 & F18)	140.00	1.00 EA
A17120-197-GB	D.E.GASKET (F16K-F18K)	25.00	2.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	4.00 EA
A13518A-28-KS	KEY .62 X 4.00	17.00	1.00 EA
BM8003A-A02	8 X 6 BASE ELBOW W/CO	0.00	1.00 EA
E503-57-CI	BASE ELBOW 6 X 8 6NH-57	2,905.00	1.00 EA
A14433E-56-XS	PIPE PLUG .75 NPT (SOLID PLUG)	29.00	1.00 EA
BM8000A-A03	CLEANOUT COVER B154B	0.00	1.00 EA
B154B-94-CI	CLEANOUT COVER W/2.0"NPT TAP	1,655.00	1.00 EA
B154-94-CI	CLEANOUT COVER B154, NO NPT	110.00	1.00 EA
A11453-197-EN	GASKET (CLEAN-OUT COVER)	40.00	1.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	2.00 EA
A14433I-56-XS	PIPE PLUG 2.0 NPT (SOLID PLUG)	45.00	1.00 EA
A14422J-128-SM	CPSCR,HEX .75NC X 2.25 GR5	29.00	8.00 EA
A15856H-197-GD	GSKT.(RING)6" PIPE 6.62 X 8.75	29.00	1.00 EA
D3777-4-CI	MOTOR BRACKET 16.5"BD, 21B4	2,850.00	1.00 EA
CD2275-4-CI	BRACKET 21B4	0.00	1.00 EA
Y1498-999	VIBRATION SWITCH VT1215NM0100	2,255.00	1.00 EA
A20195-165-SK	MOUNTING PLATE - VIB. SWITCH	240.00	1.00 EA
A14594C-384-SK	PLATE .375	23.00	1.00 SF
A14423E-128-SM	CPSCR,HEX .62NC X 1.00 GR5	29.00	4.00 EA
A14415E-128-SM	CPSCR,HEX .25NC X 1.00 GR5	29.00	3.00 EA
BMP_PAINT1	Phantom Paint BM	0.00	1.00 EA
PAINT_CONFIG	Paint Placeholder for Configurator	0.00	1.00 GA

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Bill of Material Report
Cornell Pump Company
S/N# 81771,2,3 SOLD IN 1994 LOC PUMP

Part Number	Description	Unit Price	Required Qty
TB00108	6NHTA-VF18 PKG,8X6,MTR BRKT.	0	1.00 EA
BMF708A-A02	6NHTA-VF18 PKG. W/CO	0.00	1.00 EA
A13620A-6-SG	WEAR RING CASE, 7.5X7.1X6.0X1.44 (450-500BHN)PARTS	2,620.00	1.00 EA
A14776O-372-SL	BUSHING STOCK 5.50 X 8.12	120.00	1.75 IN
A13620B-6-SG	WEAR RING IMP, 7.07 X 6.71 X 1 (400-425BHN) PARTS	2,620.00	1.00 EA
A14776O-372-SL	BUSHING STOCK 5.50 X 8.12	120.00	1.25 IN
A11535-15-SG	SLV 3.00 X 2.62 X 3.75 (400-500 BHN)	1,215.00	1.00 EA
A16117V-14-SL	SHAFTING 3.25 DIA	40.00	4.00 IN
A15250U-59-EB	O-RING 2.62 X 2.81 X .09 THICK	12.00	1.00 EA
BM9133A-A08	VOL W/CO RH-6NHT,TA,G,P	0.00	1.00 EA
D5108-2-CJ-R	VOLUTE 6NHT-2R W/CO	5,275.00	1.00 EA
CD2215-2-CJ-R	VOLUTE 6NHT-2R WO/CO	3,875.00	1.00 EA
A659M-197-GA	VOLUTE GASKET	23.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	5.00 EA
B1714-94-CI	CLEANOUT COVER, 6NH	255.00	1.00 EA
A15253Q-59-EB	O-RING 3.88 X 4.25 X .19 THK	35.00	1.00 EA
A14419F-128-SM	CPSCR,HEX .50NC X 1.25 GR5	29.00	2.00 EA
BMF235A-A01	IMP 6NHTA 3" .75NC LCSW, DBLWR	0.00	1.00 EA
A12761C-3-CI-R	IMP. (FOR PARTS ORDERS ONLY)	4,660.00	1.00 EA
CD3019-3-CP-R	IMPELLER D3019-3-R	1,150.00	1.00 EA
A16479-13-ST	IMPELLER WASHER-.81 X 2.44 X .88	105.00	1.00 EA
A14743-12-SD	LOCKSCREW .75NC X 3.00 SOC 18-8	60.00	1.00 EA
A13434F-28-KS	KEY .38 SQ X 3.00	29.00	1.00 EA
A15320D-61-SK	ROLL PIN .12 X .62 STEEL	29.00	1.00 EA
A12339C-107-SDA	IMPELLER SHIM .015" THICK (AS REQ'D)	35.00	3.00 EA
BM8922A-C13	BACKPL. 4-6"NC 3"PKG. 11.5"REG	0.00	1.00 EA
E2460-38-CJ	BACKPL.3"PKG -4-6N-38 11.5 REG	2,705.00	1.00 EA
CE2478-38-CJ	BACKPLATE 4-6N-38	1,470.00	1.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	8.00 EA
A14455H-10-PK	PACKING .38 (234)	2.50	55.00 IN
A12038-46-TE	LANTERN RING	250.00	1.00 EA
A14386B-97	GREASE CUP .25 43570-A2	465.00	1.00 EA
B2022-5-CI	PACKING GLAND	640.00	1.00 EA
CB2022-5-CI	GLAND, PACKING B2022	60.00	1.00 EA
A12400A-331-SD	GLAND CLIPS	29.00	2.00 EA
A5203A-32-SD	GLAND STUD .50 X 2.00	35.00	2.00 EA
A14426E-362-SD	JAM NUT .50NC STD HEX 18-8	29.00	2.00 EA
BME365A	FRAME VF18,B3172 SH.(OBS)	0.00	1.00 EA
E2981-8-CI	OBS, USE E4104-8-CI	465.00	1.00 EA
A14194-262-SK	BREATHER .50 NPT	60.00	1.00 EA
A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	29.00	2.00 EA
A17096-43-SK	GREASE SHIELD-F18	185.00	1.00 EA
A15156D-35-RS	SNAP RING N5000-675	95.00	1.00 EA
B3172-14-SP	SHAFT F18 - 8NNT	1,405.00	1.00 EA

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Bill of Material Report
 Cornell Pump Company
 S/N# 81771,2,3 SOLD IN 1994 LOC PUMP

Part Number	Description	Unit Price	Required Qty
A16117X-14-SP	SHAFTING 3.50 DIA	17.00	29.96 IN
A17075-238-SK	BEARING SPACER	250.00	1.00 EA
A14857B-403-SK	PIPE 3 ID X .300 THK (FT)	6.25	1.78 IN
A16814O-20	BEARING 18B/18DBPE	255.00	2.00 EA
A14566M-363-SK	LOCK WASHER W-16	17.00	1.00 EA
A14568M-129-SK	LOCK NUT AN-16	65.00	1.00 EA
D1662-4-CI	BRACKET 40B4	520.00	1.00 EA
A14423J-128-SM	CPSCR,HEX .62NC X 2.25 GR5	29.00	4.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	8.00 EA
A17073B-18	LIP SEAL VA504711	45.00	2.00 EA
A17074A-154-SK	GRS FTG .25-28 TPR THRD 90DG	29.00	2.00 EA
A17071A-107-AS	SHIM .010 THICK (AS REQ'D.)	29.00	3.00 EA
A17071B-107-AS	SHIM .005 THICK (AS REQ'D.)	29.00	1.00 EA
B3148-22-CI	BEARING COVER (F16 & F18)	140.00	1.00 EA
A17120-197-GB	D.E.GASKET (F16K-F18K)	25.00	2.00 EA
A14423G-128-SM	CPSCR,HEX .62NC X 1.50 GR5	29.00	4.00 EA
A13518A-28-KS	KEY .62 X 4.00	17.00	1.00 EA
BM8003A-A02	8 X 6 BASE ELBOW W/CO	0.00	1.00 EA
E503-57-CI	BASE ELBOW 6 X 8 6NH-57	2,905.00	1.00 EA
A14433E-56-XS	PIPE PLUG .75 NPT (SOLID PLUG)	29.00	1.00 EA
BM8000A-A03	CLEANOUT COVER B154B	0.00	1.00 EA
B154B-94-CI	CLEANOUT COVER W/2.0"NPT TAP	1,655.00	1.00 EA
B154-94-CI	CLEANOUT COVER B154, NO NPT	110.00	1.00 EA
A11453-197-EN	GASKET (CLEAN-OUT COVER)	40.00	1.00 EA
A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	29.00	2.00 EA
A14433I-56-XS	PIPE PLUG 2.0 NPT (SOLID PLUG)	45.00	1.00 EA
A14422J-128-SM	CPSCR,HEX .75NC X 2.25 GR5	29.00	8.00 EA
A15856H-197-GD	GSKT.(RING)6" PIPE 6.62 X 8.75	29.00	1.00 EA
D3777-4-CI	MOTOR BRACKET 16.5"BD, 21B4	2,850.00	1.00 EA
CD2275-4-CI	BRACKET 21B4	0.00	1.00 EA
Y1498-999	VIBRATION SWITCH VT1215NM0100	2,255.00	1.00 EA
A20195-165-SK	MOUNTING PLATE - VIB. SWITCH	240.00	1.00 EA
A14594C-384-SK	PLATE .375	23.00	1.00 SF
A14423E-128-SM	CPSCR,HEX .62NC X 1.00 GR5	29.00	2.00 EA
A14415E-128-SM	CPSCR,HEX .25NC X 1.00 GR5	29.00	3.00 EA
BMP_PAINT1	Phantom Paint BM	0.00	1.00 EA

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Bill of Material Report
Cornell Pump Company
S/N# 81771,2,3 SOLD IN 1994 LOC PUMP

Part Number	Description	Unit Price	Required Qty
PAINT_CONFIG	Paint Placeholder for Configurator	0.00	1.00 GA

Bill of Material Report - TB00017 SN 7946567

Cornell Pump Company
Indented Level

Lvl	Part Number	Description	Unit Price	Required Qty
	TB00017	8NHTA-8VCX PKG,12X10,MTR BASE (OBS)	\$ -	1.00 EA
1	BMG855A-A02	8NHTA-8VCX PKG 16.5BD (OBS)	\$ -	1.00 EA
2	A16439A-6-SG	WEAR RING CASE, 11.50 X 11.01 X 1.38 (450-500 BHN)	\$ 1,700.00	1.00 EA
2	A16439B-6-SG	WEAR RING IMP, 10.98 X 10.46 X 1.38 (350-400 BHN)	\$ 1,925.00	1.00 EA
2	A20087-15-SG	SLV 3.00 X 2.62 X 6.00 (400-500 BHN)	\$ 2,320.00	1.00 EA
2	A15250U-59-EB	O-RING 2.62 X 2.81 X .09 THICK	\$ 12.00	1.00 EA
3	E3041-2-CJ-R	VOLUTE 8NH-2-2 W/CO	\$ 15,365.00	1.00 EA
3	A659AC-197-GA	VOL. GASKET	\$ 23.00	1.00 EA
3	A14433D-56-XS	PIPE PLUG .50 NPT (SOLID PLUG)	\$ 29.00	5.00 EA
3	A14527-94-CI	CLEANOUT COVER #1 8NHTA STD.	\$ 370.00	1.00 EA
3	A8955-197-EN	GASKET (CLEAN-OUT COVER)	\$ 29.00	1.00 EA
3	A14419F-128-SM	CPSCR,HEX .50NC X 1.25 GR5	\$ 29.00	4.00 EA
3	D3725-3-CI-R	IMPELLER 8NH-3-4R	\$ 4,690.00	1.00 EA
3	A11785-13-ST	IMPELLER WASHER-.77 X 3.00 X 1.00	\$ 65.00	1.00 EA
3	A14383-12-SD	LOCKSCREW .75NC X 2.50 SOC 18-8	\$ 60.00	1.00 EA
3	A13441B-28-KS	KEY .50 X 3.00	\$ 40.00	1.00 EA
3	A12339C-107-SDA	IMPELLER SHIM .015" THICK (AS REQ'D)	\$ 35.00	3.00 EA
3	A15320D-61-SK	ROLL PIN .12 X .62 STEEL	\$ 29.00	1.00 EA
3	D4257-38-CJ	BACKPLATE 8NHTA	\$ 4,310.00	1.00 EA
3	A14419H-128-SM	CPSCR,HEX .50NC X 1.75 GR5	\$ 29.00	16.00 EA
3	A14433B-56-XS	PIPE PLUG .25 NPT (SOLID PLUG)	\$ 29.00	1.00 EA
3	B2002-5-CI	PACKING GLAND	\$ 500.00	1.00 EA
3	A12400A-331-SD	GLAND CLIPS	\$ 29.00	2.00 EA
3	A5203B-32-SD	GLAND STUD .50 X 2.50	\$ 40.00	2.00 EA
3	A14426E-362-SD	JAM NUT .50NC STD HEX 18-8	\$ 29.00	2.00 EA
3	A14457C-10-PK	PACKING .62 (234)	\$ 4.25	73.00 IN
3	A2610-46-TE	LANTERN RING	\$ 320.00	1.00 EA
3	A14386B-97	GREASE CUP .25 43570-A2	\$ 465.00	1.00 EA
3	A16097B-365-XS	EL, STR 45 .25NPT STD STL	\$ 12.00	1.00 EA
3	E2745-8-CI	FRAME E2745 8VCX	\$ 8,920.00	1.00 EA
3	A14419H-128-SM	CPSCR,HEX .50NC X 1.75 GR5	\$ 29.00	8.00 EA
3	B2883-14-SP	SHAFT 8NHTA	\$ 2,890.00	1.00 EA
3	A13441E-28-KS	KEY .50 X 2.25	\$ 50.00	1.00 EA
3	A3099-16-EB	DEFLECTOR	\$ 40.00	1.00 EA
3	D3188-22-CI	BEARING COVER D3188	\$ 1,365.00	1.00 EA
3	A14417G-128-SM	CPSCR,HEX .38NC X 1.50 GR5	\$ 29.00	6.00 EA
3	A14512D-154-SK	GREASE FTG .25"NPT STRAIGHT	\$ 29.00	1.00 EA
3	A13560-170-CI	LABYRINTH RING	\$ 855.00	1.00 EA
3	A15020H-20	BEARING 18DRPE	\$ 1,115.00	1.00 EA
3	A9813-303-PT	CPLG SHIELD	\$ 70.00	1.00 EA
3	D3187-22-CI	BEARING COVER D3187	\$ 975.00	1.00 EA
3	A14417G-128-SM	CPSCR,HEX .38NC X 1.50 GR5	\$ 29.00	6.00 EA
3	A14512D-154-SK	GREASE FTG .25"NPT STRAIGHT	\$ 29.00	1.00 EA
3	A15156D-35-RS	SNAP RING N5000-675	\$ 95.00	1.00 EA
3	A15019H-20	BEARING 18DBDE	\$ 555.00	3.00 EA
3	A15028-273-SK	BEARING SHIELD	\$ 95.00	1.00 EA
3	A14568M-129-SK	LOCK NUT AN-16	\$ 65.00	1.00 EA
3	A14566M-363-SK	LOCK WASHER W-16	\$ 17.00	1.00 EA

Bill of Material Report - TB00017 SN 7946567

Cornell Pump Company

Indented Level

Lvl	Part Number	Description	Unit Price	Required Qty
2	D3647-57A	BASE ELBOW & CRADLE 12 X 10	\$ 6,920.00	1.00 EA
3	A20203-384-SK	BASE PLATE 28.00 SQ X 1.00 THK	\$ 855.00	1.00 EA
3	A14591C-383-SK	ANGLE .50 X 8.00 X 4.00	\$ 6.25	40.00 IN
3	A13436-187-SK	PUMP SUP. 10" BASE ELL 9X18	\$ 385.00	1.00 EA
3	A13455-187-SK	12"BASE ELL SUP.PLATE 10X20	\$ 1,005.00	1.00 EA
3	A14611G-390-SK	FLAT BAR .50 X 4.00	\$ 3.25	4.50 IN
3	A22538E-384-SK	PLATE 25 X 18 X 14 H X .5 THK	\$ 375.00	1.00 EA
3	Z610-57-CI	BASE ELBOW Z610 10 X 12	\$ 5,210.00	1.00 EA
2	A14420O-128-SM	CPSCR,HEX .88NC X 3.50 GR5	\$ 17.00	6.00 EA
2	A14420K-128-SM	CPSCR,HEX .88NC X 2.50 GR5	\$ 17.00	6.00 EA
2	A14420Q-128-SM	CPSCR,HEX .88NC X 4.50 GR5	\$ 12.00	2.00 EA
2	A14414L-362-SK	NUT, .88 NC HEAVY HEX STEEL	\$ 29.00	2.00 EA
2	A15856J-197-GD	GSKT.(RING)10" PIPE 10.75X13.3	\$ 70.00	1.00 EA
3	B154B-94-CI	CLEANOUT COVER W/2.0"NPT TAP	\$ 1,655.00	1.00 EA
3	A11453-197-EN	GASKET (CLEAN-OUT COVER)	\$ 40.00	1.00 EA
3	A14419G-128-SM	CPSCR,HEX .50NC X 1.50 GR5	\$ 29.00	2.00 EA
3	A14433I-56-XS	PIPE PLUG 2.0 NPT (SOLID PLUG)	\$ 45.00	1.00 EA
1	D3777-4-CI	MOTOR BRACKET 16.5"BD, 21B4	\$ 2,850.00	1.00 EA
1	Y1498-999	VIBRATION SWITCH VT1215NM0100	\$ 2,255.00	1.00 EA
1	A20250-165-SK	MOUNTING PLATE - VIB. SWITCH	\$ 500.00	1.00 EA
1	A14423E-128-SM	CPSCR,HEX .62NC X 1.00 GR5	\$ 29.00	1.00 EA
1	A14414J-362-SK	NUT, .62 NC HEAVY HEX STEEL	\$ 12.00	2.00 EA
1	A14415E-128-SM	CPSCR,HEX .25NC X 1.00 GR5	\$ 29.00	3.00 EA

Bill of Material Report - SN 143283

Cornell Pump Company

Indented Level

Lvl	Part Number	Description	Unit Price	Required Qty
	TB06735	8NHTA-8VCX 3001S, LESS VOL. (OBS)	\$ -	1.00 EA
1	BMH225A-A02	8NHTA-8VCX 3001S 16.5BD,NO VOL (OBS)	\$ -	1.00 EA
2	A16439A-6-SG	WEAR RING CASE, 11.50 X 11.01 X 1.38 (450-500 BHN)	\$ 1,700.00	1.00 EA
2	A16439B-6-SG	WEAR RING IMP, 10.98 X 10.46 X 1.38 (350-400 BHN)	\$ 1,925.00	1.00 EA
2	A20087-15-SG	SLV 3.00 X 2.62 X 6.00 (400-500 BHN)	\$ 2,320.00	1.00 EA
2	A15250U-59-EB	O-RING 2.62 X 2.81 X .09 THICK	\$ 12.00	1.00 EA
2	A659AC-197-GA	VOL. GASKET	\$ 23.00	1.00 EA
3	D3725-3-CI-R	IMPELLER 8NH-3-4R	\$ 4,690.00	1.00 EA
3	A11785-13-ST	IMPELLER WASHER-.77 X 3.00 X 1.00	\$ 65.00	1.00 EA
3	A14383-12-SD	LOCKSCREW .75NC X 2.50 SOC 18-8	\$ 60.00	1.00 EA
3	A13441B-28-KS	KEY .50 X 3.00	\$ 40.00	1.00 EA
3	A12339C-107-SDA	IMPELLER SHIM .015" THICK (AS REQ'D)	\$ 35.00	3.00 EA
3	A15320D-61-SK	ROLL PIN .12 X .62 STEEL	\$ 29.00	1.00 EA
3	D4258-38-CJ	BACKPL. 8NHTA T1 SGL.	\$ 4,595.00	1.00 EA
3	A14419H-128-SM	CPSCR,HEX .50NC X 1.75 GR5	\$ 29.00	16.00 EA
3	A16972Q-40	SEAL 3001S RP	\$ 1,380.00	1.00 EA
3	E3065-8-CI	FRAME 8VCX 16.5 BD	\$ 6,955.00	1.00 EA
3	A14419H-128-SM	CPSCR,HEX .50NC X 1.75 GR5	\$ 29.00	8.00 EA
3	B2883-14-SP	SHAFT 8NHTA	\$ 2,890.00	1.00 EA
3	A13441E-28-KS	KEY .50 X 2.25	\$ 50.00	1.00 EA
3	A3099-16-EB	DEFLECTOR	\$ 40.00	1.00 EA
3	D3188-22-CI	BEARING COVER D3188	\$ 1,365.00	1.00 EA
3	A14417G-128-SM	CPSCR,HEX .38NC X 1.50 GR5	\$ 29.00	6.00 EA
3	A14512D-154-SK	GREASE FTG .25"NPT STRAIGHT	\$ 29.00	1.00 EA
3	A13560-170-CI	LABYRINTH RING	\$ 855.00	1.00 EA
3	A15020H-20	BEARING 18DRPE	\$ 1,115.00	1.00 EA
3	A9813-303-PT	CPLG SHIELD	\$ 70.00	1.00 EA
3	D3187-22-CI	BEARING COVER D3187	\$ 975.00	1.00 EA
3	A14417G-128-SM	CPSCR,HEX .38NC X 1.50 GR5	\$ 29.00	6.00 EA
3	A14512D-154-SK	GREASE FTG .25"NPT STRAIGHT	\$ 29.00	1.00 EA
3	A15156D-35-RS	SNAP RING N5000-675	\$ 95.00	1.00 EA
3	A15019H-20	BEARING 18DBDE	\$ 555.00	3.00 EA
3	A15028-273-SK	BEARING SHIELD	\$ 95.00	1.00 EA
3	A14568M-129-SK	LOCK NUT AN-16	\$ 65.00	1.00 EA
3	A14566M-363-SK	LOCK WASHER W-16	\$ 17.00	1.00 EA
3	A20250-165-SK	MOUNTING PLATE - VIB. SWITCH	\$ 500.00	1.00 EA
3	A14423E-128-SM	CPSCR,HEX .62NC X 1.00 GR5	\$ 29.00	1.00 EA
3	A14414J-362-SK	NUT, .62 NC HEAVY HEX STEEL	\$ 12.00	2.00 EA

COUNTY OF ROCKLAND - DGS-PURCHASING
BLDG. A., 6TH FLOOR, 50 SANATORIUM RD, POMONA, NY 10970
TELEPHONE: 845-364-3820 / TELEFAX: 845-364-3809

TITLE: Pumps-Replacement Parts for Cornell Pumps

RFB #: RFB-RC-2022-015

SPECIFICATIONS

1. SCOPE

- 1.1. This bid is to provide pricing for replacement parts for various Cornell Pumps as required by the County of Rockland.
- 1.2. Parts will be ordered on an as needed basis.
 - 1.2.1. This bid does not cover the purchase of new pumps.

2. REQUIREMENTS

- 2.1. This bid is to include all Cornell pump parts for the various pumps utilized by the County of Rockland Sewer District #1 (RCSD), Dry Pit, Submersible and Duplex Pumps.
- 2.2. Rockland County Sewer District #1 (RCSD) reserves the right to add or eliminate any model of Cornell pumps during the term of this contract, however, the following is a list of the current models operated at RCSD locations.

2.3. CORNELL PUMPS

- **Cornell 4NNTF16**
- **Cornell 6NHTA**
- **Cornell 6NHTB**
- **Cornell 8NHTA**
- **Cornell 10NHTA/VF18DB**

- 2.4. This bid also includes sub-assemblies, i.e. rotating assemblies and castings.
- 2.5. The County of Rockland reserves the right to bid or obtain additional pricing should such procedures result in the benefit of the County of Rockland.
- 2.6. Items shall be manufactured by Cornell or approved equal.

3. APPROVED EQUAL OR EQUIVALENT PRODUCTS

- 3.1. Bidders shall submit an item by item listing and explanation of any differences between their product specifications and performance and the listed bid specifications. Product and service warranties must be included with bid.
- 3.2. If bidders submit or bid for equivalent or approved equal products, they must submit manufacturer's product description and specifications. These specifications must include all items listed in the bid specifications.
- 3.3. Bidders must list five entities currently using the product on the certification of experience page in the bid package. The items must be used on listed Cornell pumps. Items requiring adapters will not be acceptable.
- 3.4. Bidder must be able to demonstrate within one week after notice and guarantee in writing that the item bid is interconnectable with existing equipment.

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4. PRICE

- 4.1. Bidder shall submit unit pricing for rotating assemblies and itemized parts for each pump described in this bid.
 - 4.1.1. Unit Pricing shall include FOB Destination.
- 4.2. Additionally, bidder shall submit two pricing structures for each Section that provide a percentage discount based on the official manufacturer's published retail price list.
 - 4.2.1. Pricing Structure #1 - The percentage discount for materials / parts ordered under this section shall include *FOB Destination, Freight Prepaid and Added*. The seller pays the freight charges but bills them to the customer. The seller owns the goods while they are in transit and files any claim if necessary. Title passes at the buyer's location.
 - 4.2.2. Pricing Structure #2 - The percentage discount for materials / parts ordered under this section shall include *FOB Destination, Freight Prepaid and Allowed*. The seller pays and bears the freight charges and owns the goods while they are in transit. Title passes at the buyer's location.
 - 4.2.3. The bidder shall submit a price quote for items ordered under this section. The price quote must include manufacturers current list price at time of order. Quote must also contain discounted pricing under Structure #1 and Structure #2 at the time of quote. At the time of order, the Department Authorized Representative shall determine which pricing structure best suits the need of the County of Rockland.
- 4.3. Contractor must provide the County of Rockland with two copies of the manufacturer's current price list and/or catalog at the time of Award and as updated by the manufacturer during the life of the contract.

5. MATERIAL COST

- 5.1. The invoices for payment must list specifically all parts and materials and the current MFG. List Price for each item listed less the awarded % discount.
 - 5.1.1. Documentation of the current MFG's list price for replacement parts costing greater than \$100 must be provided with Contractor's invoices.

6. DELIVERY

- 6.1. For items in stock at the vendor's place of business, delivery shall be made immediately after receipt of order by the vendor.
- 6.2. For items not in stock, the vendor shall make delivery immediately after his receipt of the parts from the manufacturer.
- 6.3. All deliveries shall be made during the hours of 8:00AM to 2:00PM to the location specified on the Purchase Order.

COUNTY OF ROCKLAND - DGS-PURCHASING
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7. CONTRACT PRICE ADJUSTMENTS

The County recognizes this product or service has a price component that may have a commodity with changing costs. The Contractor/Supplier may request a Price Adjustment no more frequently than once each quarter (3-month period).

A Price Adjustment request must be made in writing and include the reason for the request, documentation supporting the request (i.e., commodity increases), the current pricing, and the requested revised pricing.

The County will review the Price Adjustment request. If the Price Adjustment is deemed reasonable the Price Adjustment request will be accepted by written acknowledgement. If the request is not accepted the County may entirely reject the request or may counter with revised pricing. In either case the County will provide a written explanation in support of the decision.

The Director of Purchasing may use available indexes (e.g. CPI or PPI) to determine if the requested Price Adjustment is reasonable. Typically, a Price Adjustment that exceeds 5% will not be approved unless very unusual and significant changes have occurred in the industry.

In the event industry costs decline, the County shall have the right to receive, from the Contractor, a reasonable reduction in prices/pricing that reflect such cost changes in the industry. The County will make a written request to the Contractor for a Price Adjustment in writing with supporting documentation.

8. AWARD

This bid shall be awarded to the lowest responsive, responsible bidder who meets the specifications.