

## **APPENDIX M**

### **Emerson Pricing**

SUMMARY	INFI 90	ABB 800xA	Emerson	GE Fanuc PAC RX3i
SEWPCC Expansion Hardware Cost, 5 cabinets including I/O	NA	NA	\$218,000.00	\$73,435.00
SEWPCC Expansion Hardware Cost, 5 cabinets including Fieldbus I/O	NA	NA	\$283,000.00	\$147,250.00
<b>CONTROL ROOM AND CONTROLLER UPGRADES</b>				
<b>SEWPCC</b>				
SEWPCC - New Controllers to replace 8 remaining INFI 90s	NA	NA	\$193,600.00	\$49,744.00
SEWPCC Control Room Upgrade	NA	NA	\$146,200.00	\$107,616.00
<b>TOTAL SEWPCC UPGRADE</b>	<b>NA</b>	<b>NA</b>	<b>\$622,800.00</b>	<b>\$304,610.00</b>
<b>NEWPCC</b>				
NEWPCC - New Controllers to replace existing INFI 90s (12)	NA	NA	\$290,400.00	\$74,616.00
NEWPCC Control Room Upgrade	NA	NA	\$146,200.00	\$107,616.00
<b>TOTAL NEWPCC UPGRADE</b>	<b>NA</b>	<b>NA</b>	<b>\$436,600.00</b>	<b>\$182,232.00</b>
<b>WEWPCC</b>				
WEWPCC - New Controllers to replace existing INFI 90s (12)	NA	NA	\$169,400.00	\$37,308.00
WEWPCC Control Room Upgrade	NA	NA	\$146,200.00	\$107,616.00
<b>TOTAL WEWPCC UPGRADE</b>	<b>NA</b>	<b>NA</b>	<b>\$315,600.00</b>	<b>\$144,924.00</b>
<b>TOTAL HMI AND CONTROLLER UPGRADE - THREE FACILITIES (PRICING FOR ALL THREE FACILITIES WAS NOT PROVIDED BY ABB)</b>	<b>NA</b>	<b>NA</b>	<b>\$1,375,000.00</b>	<b>\$631,766.00</b>

Details

**STANDARD I/O 5 NEW PROCESSORS**

CPU	NA	NA	24000	6018	
Power Supply	NA	NA	500	372	
Racks (3)	NA	NA	500	337	
DI (8)	NA	NA	5600	2672	
DO (4)	NA	NA	6800	1692	
AI (2)	NA	NA	3400	2376	
AO (1)	NA	NA	2800	1220	
Sub Total		0	0	43600	14687
QTY 5 Total		0	0	218000	73435

**FIELDBUS I/O 5 NEW PROCESSORS**

CPU	NA	NA	24000	6018	
Power Supply	NA	NA	100	372	
Racks (2)	NA	NA	100	337	
FieldBus (4)	NA	NA	22400	5508	
DI (3)	NA	NA	2100	1002	
DO (2)	NA	NA	3400	846	
AI (1)	NA	NA	1700	1188	
AO (1)	NA	NA	2800	1220	
Sub Total		0	0	56600	16491
QTY 5 Total		0	0	283000	82455

SEWPCC - Integrate Eight Existing Controllers New Hardware

CPU (Redundant Pair)	NA	NA	24000	6018
Power Supply and Cabling	NA	NA	200	200
Sub Total	NA	NA	24200	6218
QTY (Eight)	NA	NA	193600	49744
QTY NEWPCC (12)	NA	NA	290400	74616
QTY WEWPCC (6)	NA	NA	169400	37308

**CONTROL ROOM**

Workstation Hardware (3)		7500	7500	7500	7500
Server Hardware - I/O, Redundant (2)		10000	10000	10000	10000
Server Hardware - Remote Access (1)		10000	10000	10000	10000
Server Hardware - Historian (1)		10000	10000	10000	10000
Operator License (8)	NA	NA	53600	17640	
Engineering License	NA	NA	6700	6930	
Historian License and Tools	NA	NA	35000	22656	
I/O Server License	NA	NA	6700	5040	
Remote Access License	NA	NA	6700	17850	
Control Room Upgrade		37500	37500	146200	107616

**Jeff Coulson**

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**From:** Robert.Eberle@emerson.com  
**Sent:** Thursday, July 10, 2008 12:36 PM  
**To:** Jeff Coulson  
**Cc:** Thomas.Kizer@emerson.com  
**Subject:** Ovation pricing

Jeff,

Please find listed below budgetary numbers for the items that you requested. Please call or email if you need additional information.

Operator Workstation License	\$6,700	
Historian License (OPH 5000 pts)	\$35,000	
Redundant Controller	\$24,000	
AI Card	\$1,700	
AO Card	\$2,800	
DI Card	\$700	
DO (relay) card	\$1,700	
FF Non-redundant bus interface module 2 segments	\$5,600	

Best regards,

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