

EXPERIMENTAL AMP RATE

Cruise Period CY 2013

Assumptions:

Load (cruise ship 1)	12,000	kW
Load (cruise ship 2)	8,000	kW
Load Factor	0.85	
Reactive Power Factor	0.05268	

Jan-12

	6	# of Vessel				
			Service Charge	\$	-	\$ -
			Service Charge (AMP-A)			\$ 150.00
Average MW	11000	kW	Facilities Charge	12,000	\$ -	\$ -
			Energy Charge	366,600	\$ 0.07761	\$ 28,451.83
			ECA Charge	366,600	\$ 0.0569	\$ 20,859.54
			ESA Charge	12,000	\$ 0.4600	\$ 5,520.00
			RCA Charge	366,600	\$ 0.0030	\$ 1,099.80
			Reactive Energy Charge	22,758	\$ 0.00484	\$ 110.15
			VEA - per kWh	366,600	\$ 0.00038	\$ 139.31
			CRPSEA - per kWh	366,600	\$ 0.00013	\$ 47.66
			VRPSEA - per kWh	12,000	\$ 0.00086	\$ 10.32
			IRCA - per kWh	366,600	\$ 0.00127	\$ 465.58
						\$ 56,854.18
			kWh	366,600		
			Cost Per kWh			\$ 0.1551

Feb-12

	6	# of Vessel				
			Service Charge	\$	-	\$ -
			Service Charge (AMP-A)			\$ 150.00
Average MW	11167	kW	Facilities Charge	12,000	\$ -	\$ -
			Energy Charge	371,700	\$ 0.07761	\$ 28,847.64
			ECA Charge	371,700	\$ 0.0569	\$ 21,149.73
			ESA Charge	12,000	\$ 0.4600	\$ 5,520.00
			RCA Charge	371,700	\$ 0.0030	\$ 1,115.10
			Reactive Energy Charge	22,758	\$ 0.00484	\$ 110.15
			VEA - per kWh	371,700	\$ 0.00038	\$ 141.25
			CRPSEA - per kWh	371,700	\$ 0.00013	\$ 48.32
			VRPSEA - per kWh	12,000	\$ 0.00086	\$ 10.32
			IRCA - per kWh	371,700	\$ 0.00127	\$ 472.06
						\$ 57,564.56
			kWh	371,700		
			Cost Per kWh			\$ 0.1549

Mar-12

	7	# of Vessel				
			Service Charge	\$	-	\$ -
			Service Charge (AMP-A)			\$ 150.00
Average MW	11000	kW	Facilities Charge	12,000	\$ -	\$ -
			Energy Charge	422,700	\$ 0.07761	\$ 32,805.75
			ECA Charge	422,700	\$ 0.0569	\$ 24,051.63
			ESA Charge	12,000	\$ 0.4600	\$ 5,520.00
			RCA Charge	422,700	\$ 0.0030	\$ 1,268.10
			Reactive Energy Charge	26,551	\$ 0.00484	\$ 128.51
			VEA - per kWh	422,700	\$ 0.00038	\$ 160.63
			CRPSEA - per kWh	422,700	\$ 0.00013	\$ 54.95
			VRPSEA - per kWh	12,000	\$ 0.00086	\$ 10.32
			IRCA - per kWh	422,700	\$ 0.00127	\$ 536.83
						\$ 64,686.71
			kWh	422,700		
			Cost Per kWh			\$ 0.1530

EXPERIMENTAL AMP RATE

Cruise Period CY 2013

Assumptions:

Load (cruise ship 1)	12,000	kW
Load (cruise ship 2)	8,000	kW
Load Factor	0.85	
Reactive Power Factor	0.05268	

Oct-12	13	# of Vessel				
			Service Charge	\$	-	\$ -
			Service Charge (AMP-A)			\$ 150.00
Average MW	11000	kW	Facilities Charge	12,000	\$ -	\$ -
			Energy Charge	759,300	\$ 0.07761	\$ 58,929.27
			ECA Charge	759,300	\$ 0.0569	\$ 43,204.17
			ESA Charge	12,000	\$ 0.4600	\$ 5,520.00
			RCA Charge	759,300	\$ 0.0030	\$ 2,277.90
			Reactive Energy Charge	49,308	\$ 0.00484	\$ 238.65
			VEA - per kWh	759,300	\$ 0.00038	\$ 288.53
			CRPSEA - per kWh	759,300	\$ 0.00013	\$ 98.71
			VRPSEA - per kWh	12,000	\$ 0.00086	\$ 10.32
			IRCA - per kWh	759,300	\$ 0.00127	\$ 964.31
						\$ 111,681.87
			kWh	759,300		
			Cost Per kWh			\$ 0.1471

Nov-12	17	# of Vessel				
			Service Charge	\$	-	\$ -
			Service Charge (AMP-A)			\$ 150.00
Average MW	10882	kW	Facilities Charge	12,000	\$ -	\$ -
			Energy Charge	973,500	\$ 0.07761	\$ 75,553.34
			ECA Charge	973,500	\$ 0.0569	\$ 55,392.15
			ESA Charge	12,000	\$ 0.4600	\$ 5,520.00
			RCA Charge	973,500	\$ 0.0030	\$ 2,920.50
			Reactive Energy Charge	64,480	\$ 0.00484	\$ 312.08
			VEA - per kWh	973,500	\$ 0.00038	\$ 369.93
			CRPSEA - per kWh	973,500	\$ 0.00013	\$ 126.56
			VRPSEA - per kWh	12,000	\$ 0.00086	\$ 10.32
			IRCA - per kWh	973,500	\$ 0.00127	\$ 1,236.35
						\$ 141,591.22
			kWh	973,500		
			Cost Per kWh			\$ 0.1454

Dec-12	10	# of Vessel				
			Service Charge	\$	-	\$ -
			Service Charge (AMP-A)			\$ 150.00
Average MW	10500	kW	Facilities Charge	12,000	\$ -	\$ -
			Energy Charge	565,500	\$ 0.07761	\$ 43,888.46
			ECA Charge	565,500	\$ 0.0569	\$ 32,176.95
			ESA Charge	12,000	\$ 0.4600	\$ 5,520.00
			RCA Charge	565,500	\$ 0.0030	\$ 1,696.50
			Reactive Energy Charge	37,930	\$ 0.00484	\$ 183.58
			VEA - per kWh	565,500	\$ 0.00038	\$ 214.89
			CRPSEA - per kWh	565,500	\$ 0.00013	\$ 73.52
			VRPSEA - per kWh	12,000	\$ 0.00086	\$ 10.32
			IRCA - per kWh	565,500	\$ 0.00127	\$ 718.19
						\$ 84,632.39
			kWh	565,500		
			Cost Per kWh			\$ 0.1497

12 Month kWh	4,715,400					
12 Month \$						\$ 726,704.14
			City Tax Included			\$ 817,542.16
						\$ 0.1541
Cost per kWh			City Tax 12.5%			\$ 0.1734

2013 USA Vessel Schedule

Date	Ship name	Berth	kV	kW	Operator	AMP	TTL AMP	Ship Calls	Ship Passengers	Revenue Passengers	AMP Systems Cost Fees
01/02/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
1/5/13 Sat	Silver Whisper	TBA			Silversea	0		1	400	800	\$ 240.00
01/12/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
01/16/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
01/19/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
01/23/13 Wed	Island Princess	B93	11kV	9000	Princess	1		1	1800	3600	\$ 1,080.00
01/30/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
				11000			6				
2/1/12 Fri	Silver Spirit	TBA			Silversea	0		1	400	800	\$ 240.00
2/2/12 Sat	Costa Dellzosa	B92			Costa	0		1	1800	3600	\$ 1,080.00
02/02/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
2/4/2013 Mon	Queen Elizabeth III	TBA			Cunard	0		1	1800	3600	\$ 1,080.00
02/13/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
02/16/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
2/19/13 Tue	Amadea	TBA			NYK	0		1	500	1000	\$ 300.00
02/21/13 Thu	Coral Princess	B93	11kV	9000	Princess	1		1	1900	3800	\$ 1,140.00
02/23/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
02/27/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
				11167			6				
3/4/13 Mon	Silver Spirit	B92			Silversea	0		1	400	800	\$ 240.00
03/09/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
3/12/13 Tue	Queen Elizabeth III	B93			Cunard	0		1	1800	3600	\$ 1,080.00
03/13/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
03/22/13 Fri	Island Princess	B93	11kV	9000	Princess	1		1	1900	3800	\$ 1,140.00
03/23/13 Sat	Sapphire Princess	B93	11kV	11000	Princess	1		1	2800	5600	\$ 1,680.00
03/26/13 Tue	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
03/27/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
03/30/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
				11000			7				
04/06/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
04/10/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
04/13/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
04/20/13 Sat	Coral Princess	B92	11kV	0	Princess	0		1	1900	3800	\$ 1,140.00
04/20/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
04/23/13 Tue	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
04/24/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
04/27/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
				11571			7				
05/04/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
05/05/13 Sun	Norwegian Pearl	B93			NCL	0		1	2400	4800	\$ 1,440.00
5/6/13 Mon	Norwegian Sun	B92			NCL	0		1	2400	4800	\$ 1,440.00
5/6/13 Mon	Crystal Symphony	TBA			Crystal	0		1	700	1400	\$ 420.00
05/07/13 Tue	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
05/08/13 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
05/08/13 Wed	Norwegian Jewel	B92			NCL	0		1	2400	4800	\$ 1,440.00
05/08/13 Wed	Celebrity Solstice	OH			Celebrity	0		1	1800	3600	\$ 1,080.00
05/10/13 Fri	Island Princess	B93	11kV	9000	Princess	1		1	1900	3800	\$ 1,140.00
05/11/13 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
05/19/13 Sun	Coral Princess	B93	11kV	9000	Princess	1		1	1900	3800	\$ 1,140.00
05/20/13 Mon	Disney Wonder	B93	6.6kV	8000	Disney	1		1	2400	4800	\$ 1,440.00
				10286			7				
08/10 Sat	Sea Princess	B93	6.6kV	8000	Princess	1		1	1900	3800	\$ 1,140.00
09/14 Sat	Disney Wonder	B93	6.6kV	8000	Disney	1		1	2400	4800	\$ 1,440.00
09/23 Mon	Norwegian Sun	B93	11kV	0	Norwegian	0		1	2400	4800	\$ 1,440.00
09/23 Mon	Amsterdam	B92			Holland Am	0		1	1800	3600	\$ 1,080.00
09/26 Thu	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
09/28 Sat	Coral Princess	B93	11kV	9000	Princess	1		1	2100	4200	\$ 1,260.00
09/29 Sun	Disney Wonder	B92	6.6kV	0	Disney	0		1	2400	4800	\$ 1,440.00
09/29 Sun	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
9/30/2013	Grand Princess	B92			Princess	0		1	2700	5400	\$ 1,620.00
09/30 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
				10000			5				
10/2/13 Wed	Oosterdam	B93			Holland Am	0		1	2000	4000	\$ 1,200.00
10/04 Fri	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
10/04 Fri	Norwegian Pearl	B92	11kV	0	Norwegian	0		1	2400	4800	\$ 1,440.00
10/05 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2500	5000	\$ 1,500.00
10/6/2012 Sun	Star Princess	B93	6.6kV	11000	Princess	1		1	2600	5200	\$ 1,560.00
10/07 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
10/10 Thu	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
10/12 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
10/14 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
10/18 Fri	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00

2013 USA Vessel Schedule

Date	Ship name	Berth	kV	kW	Operator	AMP	TTL AMP	Ship Calls	Ship Passengers	Revenue Passengers	AMP Systems Cost Fees
10/19 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
10/21/2012 Mon	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
10/21 Mon	Golden Princess	TBA	11kV	0	Princess	0		1	2500	5000	\$ 1,500.00
10/24 Thu	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
10/27 Sun	Norwegian Star	B92	11kV	8000	Norwegian	1		1	2400	4800	\$ 1,440.00
10/28 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
				11000			13				
11/01 Fri	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/04 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/05 Tue	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/07 Thu	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/11 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/14 Thu	Island Princess	B93	11kV	11000	Princess	1		1	1900	3800	\$ 1,140.00
11/15 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/16 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
11/18 Mon	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/20 Wed	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/21 Thu	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/23 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
11/24 Sun	Norwegian Star	B92	11kV	8000	Norwegian	1		1	2400	4800	\$ 1,440.00
11/24 Sun	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/25 Mon	Coral Princess	B93	11kV	9000	Princess	1		1	1900	3800	\$ 1,140.00
11/27 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
11/30 Sat	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
				10882			17				
12/01 Sun	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
12/4 Wed	Golden Princess	B93	11kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
12/05 Sun	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
12/15 Sun	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
12/20 Fri	Star Princess	B93	6.6kV	11000	Princess	1		1	2500	5000	\$ 1,500.00
12/21/2013 Sat	Regatta	B93			Oceana	0		1	400	800	\$ 240.00
12/22 Sun	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
12/22 Sun	Norwegian Star	B92	11kV	8000	Norwegian	1		1	2400	4800	\$ 1,440.00
12/23 Mon	Coral Princess	B93	11kV	9000	Princess	1		1	1900	3800	\$ 1,140.00
12/29 Sun	Sapphire Princess	B93	11kV	12000	Princess	1		1	2800	5600	\$ 1,680.00
12/29 Sun	Norwegian Star	B92	11kV	8000	Norwegian	1		1	2400	4800	\$ 1,440.00
				10500			10				
							79	99	233000	466000	\$ 139,800.00