Chapter 5: Generating Bills and Reports

Setting the Billing Period

The billing period sets the time interval of energy utilization for which to bill the selected utility meter group. All energy data and charges are date coded; when NetPower Billing generates a bill for a given user in this utility meter group, it only applies charges and energy utilization data that occur within the billing period. Typically, billing periods are on a monthly basis, but you can set the billing period to any length of time, as long as the billing period does not span any seasons you defined, because different seasons can use different rates.

To define a billing period for a utility meter group, do the following:

1. On the NetPower Billing main window, click the Utility Meter Group tab.

The Utility Meter Group tab displays.



2. In the group list, select the group for which you want to define a billing period.

 From the Group menu, select Set Billing Period. The Billing Period Editor dialog box displays.

Bill	ing Period E	ditor	×
	<u>F</u> rom:	12/01/1998 00:00	
	<u>T</u> o:	12/31/1998 23:59	
			_
	✓	<u>OK</u> X <u>C</u> ancel <u>?</u> <u>H</u> elp	

- 4. Enter the beginning date and time of the billing period in the From fields and the end date and time of the billing period in the To fields.
- 5. Click OK.

NetPower Billing sets the billing period of the selected utility meter group

Billing Group Charges Error Messages

The following are error messages you may encounter when entering charges along with a problem diagnosis and corrective action.

Please enter Date/Time of Peak.

Problem:	Group Billing Charges depend on a peak demand charge and you have not entered the date and time of the peak.
Corrective Action:	Enter the date and time of the peak demand or use the Peak >> button to search the database for the peak.

Date/Time must be within Billing Period.

Problem:	The date and time that you entered do not occur within the billing period; therefore, the peak is not applicable.
Corrective Action:	Enter the date and time of the peak demand that occurred during the billing period. Use the Peak >> to search the database.

Date/Time not valid for "...".

Problem:	The date or time you entered is not valid for the billing period.
Corrective Action:	Enter a date and time that occurs during the billing period.

Entering Charges

In order to bill your energy users, you must enter the charges from your energy provider into NetPower Billing.

NetPower Billing performs validation on many fields when you enter charges. Consequently, you cannot enter invalid information. For example, you cannot enter a peak demand time in a rate period that is not in effect at the time.

Cost Allocation Billing Method

To enter charges, do the following:

1. On the NetPower Billing main window, click the Utility Meter Group tab.

The Utility Meter Group tab displays.



- 2. In the group list, select the group for which you want to enter kWh and kW (or kVA and kVA) charges.
- 3. From the Group menu, select Enter Charges.

The Billing Group Charges dialog box displays. The first tab in the Group Charges dialog box is the kWh and kW Charges tab.

Note

The kVAh and kVA Charges tab is displayed if you selected Direct Billing (kVA) for your billing method.

and i man	12	01/1990 00:00-	12/31/1998	22:52		
Ngh and HW Cha	gen Washington Shorts Off	tonal Charges				
Total Ene	up Usage (kWh):					
	Rate Period	KWH	Total \$	2		
	DH-Peak	236.00	2121.00	l.		
	2 Un-Peak	1001.00	\$437.17			
	3					
	4					
	5					
	6					
Total Coir	cident Demand Usage (KV	V):				
Press	Rate Period	EW	Total \$	Date	Time	
buffor to	0H-Peak	705.00	543.00	09/22/1995	02:30	0.8 00
peaks be	2 Un-Peak	534.00	421.00	01/22/1915	07:30	
Long	8					1
datakasa						
Berters	21 I I I I I I I I I I I I I I I I I I I					

NetPower Billing calculates the charges for energy usage by distributing the total cost you entered on this tab from the energy provider bill among your energy users.

- 4. In the KWH (or KVAH) column of the Total Energy Usage (kWh or kVAh) list box, enter the total group kWh (or kVAh) usage for each rate period
- 5. In the Total \$ column of the Total Energy Usage (kWh or kVAh list box, enter the total dollar amount.
- 6. In the KW (or KVA) column of the Total Coincident Demand Usage (kW or kVA) list box, enter the total group kW (or kVA) usage at peak for each rate period.
- In the Total \$ column of the Total Coincident Demand Usage (kW or kVA) list box, enter the total amount of the peak for each rate period.
- 8. In the Date column of the Total Coincident Demand Usage (kW or kVA) list box, enter the date of the peak for each rate period.
- 9. In the Time column of the Total Coincident Demand Usage (kW or kVA) list box, enter the time of the peak for each rate period.
- 10. Click the Virtual Meter tab.

The Virtual Meter tab displays.

ling Period:		12/01/1990 00:00 - 12/2	1/1998 22.52	1	
Wheed Nor Charges (Vetual)	Meter Grove	Optional Charges			
	En	angy Usaga (kWhit			
VMB Vistual Met 2010 Milegia Hone 2010 Description	-	Rate Period	KWH		1
					ľ
	L) Ca	incident Demand Usage (k	W):	l.	
		Rate Period	KW	Date	Time 4
	1	Dil-Peak		09/22/1995	09:30
	1.1	On Prot		09/22/1995	07:30
a					
	1.1	5			
	lana				

- 11. For each virtual meter, do the following:
 - In the KWH (or KVAH) column of the Energy Usage (kWh or kVAh) list box, enter the number for kWh measured during each rate period.
 - In KW (or KVA), Date, and Time columns of the Coincident Demand Usage (kW or kVA) list box, enter the amount of demand (kW or kVA) at peak demand, the date, and time (respectively) for each rate period.
- 12. Click the Group Optional Charges tab.

The Group Optional Charges tab displays.

Mang Preside:	to [Vessi Meter [Droup Optional Oranges]		
	Optional Charge Average Rate Limiter Adj Connection Charge-Wing Connect Charge Foonamic Stinutus Devit Park Pareof Tato Limiter Adj Park Parcel Tato Limiter Adj State Surcharge	Cherps 5 12.00 -202.00 210.00 -1651.54 43.00 1560.20 625.00	
	0 1 1		

- 13. For each optional charge, enter the *total* amount to be billed to the utility meter group.
- 14. Click OK.

NetPower Billing performs some validity checks on the information you entered. If the information is valid, NetPower Billing enters the charges. If you entered the charges correctly, you can now perform the bill calculation. For information on bill calculation, see the section *Calculating Billing Charges*.

Direct Billing Method

To enter charges, do the following:

1. On the NetPower Billing main window, click the Utility Meter Group tab.

The Utility Meter Group tab displays.

Demand W	ndow: 30 Minutes	800	ng Method: Cast	Allocation	h.1.21
ly Mater Salap Eg	ergy User Conston Usage (MPA	CC Meter]			
Group	Rilling Period		Last Bill	ing Pasiad	-
Tant B IGSW			01/01/1998 88:90	- 00/15/1998 0	2.55
R0UP111	01/01/1998 10:00 · 02/25	21998 88.00	01/01/1998 00:01	02/25/1998-0	100

- 2. In the group list, select the group for which you want to enter kWh and kW (or kVA and kVA) charges.
- 3. From the Group menu, select Enter Charges.

The Billing Group Charges dialog box displays. The first tab in the Group Charges dialog box is the kWh and kW Charges tab.

Note The kVAh and kVA Charges tab is displayed if you selected Direct Billing (kVA) for your billing method.

lling Period	1	2/01/1998 00:00	- 12/31/1998 23	58
What W Ch	argen [Unual Meter] Group I	Optional Charges		
Total En	ergy Usage (kWh)			
E	Rate Period			
	1 Oll-Peak			
	2 On Post			
	2			
-	4			
-	5			1.1
Tatal	Contract Descent Lines of			
Freez	Rate Period	Date	Time	•
bullon to	1 Oll-Peak	12/22/1998	20:30	
pnaka by	2 On-Peak	12/22/1998	07:30	1.2
using	3			-
	4			
Peak >>	5			
and the second se				

NetPower Billing calculates the charges for energy usage by distributing the total cost you entered on this tab from the energy provider bill among your energy users.

- 4. In the Date column of the Total Coincident Demand Usage (kW or kVA) list box, enter the date of the peak for each rate period.
- 5. In the Time column of the Total Coincident Demand Usage (kW or kVA) list box, enter the time of the peak for each rate period.
- 6. Click the Virtual Meter tab.

The Virtual Meter tab displays.

Hiling Group Charges					E
Hilling Paried:		12/01/1990 00:00 12/2	1/1998 23:55		
Might and Kisr Charges	Vitual Meter Dro	No Optional Charges			
		inengy Usage (KWhit			
VMI Vieto VMI Resolution VMI Resolution	nai Moter *	Rate Pesiad 1 03-Peak 2 05-Peak	KWH		^
		3 4 5 6			Ę
	1	aincident Demand Usage (K)	W)	Street and	100 B
		Bate Period	KW.	Date	Time +
	_	1 DE-Peak 2 De-Peak		09/22/1995 09/22/1995	09:30 07:30
L.		4 5			-
Main Meter	M1-M2	-H3-M14	√ DK	X Carcel	? Help

7. For each virtual meter, do the following:

- In the KWH (or KVAH) column of the Energy Usage (kWh or kVAh) list box, enter the number for kWh (or kVAh) measured during each rate period.
- In KW (or KVA), Date, and Time columns of the Coincident Demand Usage (kW or kVA) list box, enter the amount of demand (kW or kVA) at peak demand, the date, and time (respectively) for each rate period.
- 8. Click the Group Optional Charges tab.

The Group Optional Charges tab displays.

MMh and KW Charges	Vesal Meter Group Optional Charges		
	Optional Charge	Charge 5	
1	Average Rate Limiter Adj	12.00	
2	Connection Charge-Ming	-232.00	
1	Economic Stimulus Dedit	-1651.54	
5	Peak-Pecied Flate Limiter Adj.	43.00	100
6	Power Factor Adj.	1968.20	
7	State Surcharge	825.00	
- B			
10			
11			

9. For each optional charge, enter the *total* amount to be billed to the utility meter group.

10. Click OK.

NetPower Billing performs some validity checks on the information you entered. If the information is valid, NetPower Billing enters the charges. If you entered the charges correctly, you can now perform the bill calculation.

Calculating Billing Charges

This procedure calculates billing charges and identifies errors in formulas, cost allocation schemes, and energy data.

Important

NetPower Billing always uses kilowatt-hours (kWh) to calculate kilowatts.

To calculate billing charges, do the following:

1. On the NetPower Billing main window, click the Utility Meter Group tab.

The Utility Meter Group tab displays.



- 2. Select the group for which you wish to perform bill calculations.
- 3. From the Group menu, select Billing Calculation.

A Confirm dialog displays, asking you if you want to generate reports if no errors or warnings are found.

Confirm	×
?	Proceed to generate reports, if no error/warning found?
	Yes <u>N</u> o

4. Click Yes if you want NetPower Billing to generate reports after validating the bill calculation for each energy user.

OR

Click No to cancel the bill generation process.

If you click Yes, the Energy Bills Generator dialog box displays.

Energy Bills Generator
 Show in Report Viewer (To Printer if more than 20 Energy Users)
O e-Mail reports to Energy Users
O Send directly to Printer
C Export to MS-Word (*.doc)
C Export to MS-Excel (*.xls)
OK X Cancel ? Help

In this dialog box, you can specify the form of output you want for the reports you are generating. In addition to displaying the reports in the report viewer, you can distribute them as e-mail, send them to the printer, or export them as Microsoft Word or Excel files.

Note

To use the e-mail option, your energy users must have valid mailboxes and you must log NetPower Billing on to the mail system. For more information, see *Chapter 3: Configuring the System.*

5. When you have selected the output option you want, click OK.

The system validates bill calculation for each user in the group based on the configuration, entered charges, and IMPACC meter data.

If errors occur, they display in the Bill Calculation dialog box:

	1		From Marian	-	_
Formula	Production Line 1:	M2 -> M2	E HOL MESSAG		_
comeda.	HVAC 1: M3/0.2 ->	M310.2			
onnula	Lobby 1: M3*0.3 -:	M3*0.3			
osmula	Weight Room: M3*	0.5 -> M3*0.5			
$\Psi P = 0$	Group Charge - St.	ete Surcharge			
1		8			
_	1				
			- F		
1			25. mar + ma	ad any loss bit many series	
c) Coner	d Janue	https://www.com	Print Error and	waning Memoder	

The type of error is indicated in the Type column. The affected objects (energy user, group charge, common usage, individual charge, etc.) display in the error message column.

Before you can generate bills, you must correct the errors. For information about specific errors, see the section *Bill Generator Error Messages*.

- 6. If no errors occur, the system checks for any warning conditions and displays warning messages in the Warning Message area of the Bill Calculation dialog box. Warning messages do not prevent you from generating bills, however, if warning messages occur, you can do the following:
 - You can correct the conditions that generate warning messages by selecting the warning message, and then clicking Correct.
 - You can ignore a warning message by selecting the warning message, and then clicking Ignore.
 - You can ignore all warning messages by clicking Ignore All.
- If no warning messages occur, or if you corrected or ignored all the warning messages, you can now generate the bills by clicking Prepare and Generate Reports.

NetPower Billing generates bills and reports.

Bill Generator Error Messages

You may encounter the following error messages when generating bills. Each error is listed along with a problem diagnosis and corrective action.

Billing Period spans more than one season.

Problem:	NetPower Billing does not allow a billing period to span two seasons, because each season has its own rates.
Corrective Action:	Generate a bill for each season that is spanned by the dates for which you want to bill.
Cannot generate rep	ort.
Problem	Either Report files are missing, or the NetPower Billing database needs to be repaired.
Corrective Action	If one or more report files is missing, re-install

rective Action If one of more report files is missing, re-install NetPower Billing. If the NetPower Billing database file needs to be repaired, use the ODBC Administrator to repair the database.

Contract Period Out of Range.

Problem:	The billing period you specified includes dates that fall outside the contract period you have specified. You can receive this error only with direct billing.
Corrective Action:	You must obtain a new contract, update the rate schedule, and recalculate the bill or enter a billing period that falls within the contract period.

Demand Window < Logging Interval

	ossing meet var
Problem:	You have defined a demand window in NetPower Billing that is smaller than the interval you are using with the energy logging feature of the NetPower DeviceServer. NetPower Billing does not allow this condition, because it would result in demand windows with no data.
Corrective Action:	For existing data, you must increase the size of the Demand Window to at least the size of the energy logging interval. (Changing the energy logging interval after the data is already captured will not provide the missing data.) If you wish to use the smaller Demand Window in the future, you must change the energy logging interval to be the same or smaller than the Demand Window.
Disk I/O error.	
Problem:	NetPower Billing encountered a disk I/O error while attempting to read from the Energy Logging database.
Corrective Action:	Shut down NetPower Billing, repair and/or compact the NetPower Billing and Energy Logging databases, and restart NetPower Billing.
Missing Date/Time for	r peak.
Problem:	The date and time of peak utilization are essential components in the bill calculation.
Corrective Action:	Redo the procedure in the section <i>Entering Charges</i> and be sure you enter the information.
No Energy User Defin	ied.
Problem:	The Utility Meter Group for which you attempted to generate bills does not have any energy users defined for it.
Corrective Action:	You must either select a group that has energy users defined or define energy users for the current group.

0	
Problem:	The formula of one or more energy users has virtual meters that have not been defined or have been deleted.
Corrective Action:	Define the meters or change the formula of all affected users to include only meters that are defined in the system.
Out of Memory.	
Problem:	An internal system problem caused an out-of- memory error.
Corrective Action:	An out-of-memory error is unlikely; however, if one occurs, you will need to reboot your system. If possible, note the conditions and sequence of events that lead up to the error and report them to Cutler-Hammer.
User Canceled.	
Problem:	An energy user for whom energy data exists was deleted from the group.
Corrective Action:	You can either purge the energy data for the IMPACC meter that was associated with the formula of the deleted energy user or re-enter the energy user and formula in the group and regenerate the bill.
WP=0	
Problem:	The total number of weight points that you have assigned to energy users for a common usage or group charge is zero (or you have not assigned any).
Corrective Action:	You can either assign the weight points or change the cost allocation method (to a method that does not use weight points).
Wrong Symbols.	
Problem:	The formula of one or more energy users has a symbol that is not one of the legal symbols for NetPower Billing formulas.
Corrective Action:	Edit the formula to remove any invalid symbols or characters.

Non-existing Meters.

You need at least ...MB of hard disk space to generate bill. Please free up hard disk space first.

Problem:	NetPower Billing needs a minimum of 30 MB to generate a bill with the commercial version of NetPower Billing, and 70 MB to generate a bill with the Industrial version of NetPower Billing (5MB of disk space to generate a bill in Demo
Corrective Action:	Mode). The error message provides an estimate of the disk space requirements beyond what is available. Clear at least that amount of disk space and try to generate the bill again.

Bill Generator Warning Messages

Bill calculation warnings are indications of anomalies that you should be aware of, and not necessarily errors. NetPower Billing will list any warnings, but will not prevent you from generating bills when they occur. The following are possible warnings and the likely interpretation of the reason they were generated.

Roll Over

Problem:	A billing value exceeded the maximum value possible with the particular IMPACC meter you are using in a formula. When this occurs, the value "rolls over" to zero and a flag is set to show that the rollover occurred. As a result, the value shown is not the actual value, but the actual value - maximum value.
Corrective Action:	To correct this problem, NetPower Billing generates a dialog box to allow you to enter the value you want to use. You can calculate the value by looking up the maximum value for the energy parameter for the IMPACC meter that generated the warning and adding the value shown. Alternatively, enter an estimate the amount or use two or more smaller billing periods and generate two (or more) bills.

i otai mismatcheu an	iu greater than the anowable range
Problem:	The total you entered in the bill calculation as the total from the energy provider does not match the total computed by NetPower Billing and the discrepancy is greater then the percentage value you set (in the Utility Meter Group Editor).
Corrective Action:	If the amount of the discrepancy is acceptable, you need not take any action. If the discrepancy is too large, you can change your formulas to more accurately reflect incurred costs or add an energy- cost adjustment (a group charge based on consumption) to bring the total amount billed to your energy users closer to the amount of the bill from your energy provider.
Formula	
Problem:	The formula for an energy user or for a form of common usage has some anomaly, such as a meter with no data or an inactive meter.
Corrective Action:	Examine the formula in question. If there is an error, correct it. If the formula is correct, you need not do anything.
User Entered Data	
Problem:	One or more values in the bill were not generated by the system, but were entered via a dialog box by a NetPower Billing user. This can be caused by a rollover in an IMPACC meter or a missing cost allocation parameter.
Corrective Action:	Examine the value in question and determine the reason for the user-entered data. If the reason is acceptable and the amount is correct, you need not do anything. Otherwise, change the formula or billing period so that you get the correct amount without NetPower Billing requiring user input.

Total mismatched and greater than the allowable range

Demand - Missing energy data

Problem:	The energy data NetPower Billing uses for computing demand is not logged in the database.
Corrective Action:	Restore the missing energy data (from backups) and regenerate the bill, or use a user-entered value for demand.
You have configure NetPower Billing by e	ed, but only is allowed. Please upgrade contacting Cutler-Hammer. Maximum number

of Energy Users exceeded!

Problem:	You have configured at least one more energy user than your software license allows.
Corrective Action:	Remove the corresponding number of energy users from your database and attempt to generate the bill again.

Sample Energy Bills

NetPower Billing generates the following types of bills:

• Bill(s) for Last Billing Period

This is a normal bill for an energy user defined in the system.

Bill Summary ٠

This is also a bill for an energy user, but is in a summarized format. The following reports are samples of each type of energy bill:

Bill(s) for Last Billing Period

Energy User: Production Line 2	Рауло	ant To: Cutler-Hammer		
123 Testing Rd.		170 Industry Dri	ve , RIDC Park Wes	t
Pittsburgh, PA 15275-1	234	Pittsburgh, PA 1	5275-1234	
Rilling Period From: 0/10/08	7:00:00 AM	Billing Date: 9/24/98		
To: 9/10/98	9:30:00 AM	Due Dante: 10/4/98		
Silling Capacity Charge				
arte Period	Peak At	kW		Charge
)ff-Peak	9/22/95 9:30:00 AM	424.07		326.16
h-Peak	9/22/95 7:30:00 AM	318.42		257.00
			Sub Total:	583 17
Silling Energy Charge				
arte Period		KWD		Charge
Dff-Peak		212.03		1,274.01
m-Peak		640.04		2,947.25
			Sub Total:	4 221 26
Apportioned Common Usage				
common Usage	Method	Shares		
ff-Peak: HVAC 1	Weight Points	30.6%		
ff-Peak: Lobby 1	Weight Points	35.5%		
)ff-Peak: Weight Room	kW and kWh Usage	61.7%		
m-Peak: HVAC 1	Weight Points	30.6%		
m-Peak: Lobby 1	Weight Points	35.5%		
m-Peak: Weight Room	kW and kWh Usage	60.1%, 59.6%		
Other Changes				
And Andrew				
Ascription	Method		Unit	Charge
werage Kate Linnfer Adj.	% of TotalkWh	55.6%	0.00	0.07
nange meter Labor	Per KWH: Maxmum	040.04 kwh	0.22	142.25
ormection Charge-Ming	Weight Ponts	04.5%		-214.19
listomer Charge	Equal Share	50.0%		155.00
conomic stimilits Credit	% of TotalkWh	55.6%		-917.50
eak-Period Rate Limiter Adj.	% of TotalkWh	55.6%		23.89
ower Factor Adj.	% of TotalkWh	55.6%		1,093.42
pecial Charge	PerkW: On-Peak	318.42 kw	0.12	39.31
tate Surcharge	Weight Points	57.7%		475.96
			Sub Total:	804.78
		Tert	al fibrase:	5 609 21
		100	a comge.	5,009 11

Bill Summary Report

	Billing Period From:	9/22/95 7:00:00 AM	To: 9/22/95 9	:30:00 AM	
Customer (Energ	y User)			kWh	Total Charge
Production Line 2	Production Line 2	123 Jesting Rd.	Pittsburgh	852.07	5,609.21
Production Line 1	Production Line 1	124 High Land View	Pittsburgh	681.70	4,312.16
			Grand Total:	1.533.77	9.921.37

Sample Energy Reports

NetPower Billing generates the following reports:

- Data For Energy Users
- Data For All Common Usage
- Data For All IMPACC Meters
- Meter Peak Demand

The following reports are samples of each type of energy management report that you can generate with NetPower Billing.

Data for Energy User(s)

The following report is the Energy Data for Energy User report. This report lists the individual energy usage and allocated common usage (percent share and usage) for a user according to rate period. The report subtotals common usage according to rate period and totals all common, demand, and energy usage for the user in this billing period.

Direct En Billing	Energy User: Product ergy Formula: M1+M g Period From: 9/22/9.	tion Line 2 14 5 To 9/29/95			
Rate Period		Demand U	sage (kW)	Energy U	sage (kWh)
On-Peak			310.00		411.93
H	7AC 1	30.56%	1.10	30.56%	29.94
Lð	bby l	35.48%	1.92	35.48%	52.15
W	eight Room	60.08%	5.41	59.62%	146.03
		Common Usage Subtotal:	8.42		228.11
			318.42		640.04
Off-Peak			386.00		193.00
H	7AC 1	30.58%	4.89	30.59%	2.44
Ld	bby l	35.48%	8.52	35.48%	4.26
W	eight Room	61.66%	24.66	61.66%	12.33
		Common U <i>s</i> age Subtotal:	38.07		19.03
			424.07		212.03

Data for All Common Usage

The following report is the Energy Data for All Common Usage report. This report lists each form of common demand and energy usage according to rate period and totaled for the type of common usage. It also totals all demand and energy usage for all forms of common usage in the group.

Bi	lling Period: 9/22/95 Io	9/29/95		
HVA (' 1 (Waight Dainte)	M3±0.2		kW	kWh
Off-Peak			16.00	8.00
On-Peak			3.60	97.97
		Sub to tal:	19.60	105.97
Lobby 1 (Weight Points)	M3*0.3		kW	kWh
Off-Peak			24.00	12.00
On-Peak			5.40	146.90
		Sub to tal:	29.40	158.96
Weight Room (Demand & Energy Usage)	M3*0 <i>5</i>		kW	kWh
Off-Peak			40.00	20.00
On-Peak			9.00	244.93
		Sub to tal:	49.00	264.93
		Grand Total:	98.00	529.86

Data for All IMPACC Meters

The following report is the Energy Data for All Meters report. This report lists the demand and energy usage of each IMPACC meter according to rate period and total for the device. It also totals all demand and energy usage for all IMPACC meters in the group.

evice Description	Dev# Cor	nmVer IMPAC	C Station		
M 1 IQA-Office 1	1	5 Cutl		kW	kWh
Off-Peak				252.00	126.00
On-Peak				200.00	311.94
			Sub to tal:	452.00	437 <i>9</i> 4
M 2 ES-Building 1	2	3 Cutl		kW	kWh
Off-Peak				240.00	120.00
On-Peak				206.00	278.98
			Sub to tal:	446.00	398.98
M 3 IQA-Office 2	3	5 Cutl		kW	kWh
Off-Peak				80.00	40.00
On-Peak				18.00	489.86
			Sub to tal:	98.00	529.86
M 14 D I-810	16	3 Cutl		kW	kWh
Off-Peak				134.00	67.00
On-Peak				110.00	99.99
			Sub to tal:	244.00	166.99

Meter Peak Demand

The following report is the Meter Peak Demand report. This report lists the date and time of peak demand measured by each individual meter and the peak demand (kW or kVA).

) evice Description	Dev# Comm	Ver IMPAC	C Station		
M 1 IQA-Office 1	1	5 Cutl		kW	
On-Peak	09/22/1995 07:00			200.00	
Off-Peak	09/22/1995 09:00			252.00	
			Sub to tal:	452.00	
M 2 ES-Building 1	2	3 Cutl		kW	
On-Peak	09/22/1995 07:30			236.00	
Off-Peak	09/22/1995 09:00			240.00	
			Sub to tal:	478.00	
M 3 IQA-Office 2	3	5 Cutl		kW	
On-Peak	09/22/1995 07:30			246.00	
Off-Peak	09/22/1995 09:00			80.00	
			Sub to tal:	326.00	
M 14 D I-810	16	3 Cutl		kW	
On-Peak	09/22/1995 07:00			110.00	
Off-Peak	09/22/1995 09:00			134.00	
			Sub to tal:	244.00	

Using the Report Viewer

The Report Viewer is an output browser for Crystal Reports[®] that allows you to review the billing output before sending it to a printer. The user interface makes it easy to examine all the visual aspects of a report regardless of the size of the report.

The Report Viewer supports conversion of the bill output to a variety of output formats to provide you with flexibility in integrating NetPower Billing into your billing processes.

Report Viewer Toolbar

The Report Viewer toolbar is located at the top of the Report Viewer window.

I of 2		🖨 🛃 🛛 100% 💌	Total:26	100%
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The following table describes functions of the toolbar icons and elements.

Icons and Elements	Description		
I of 2 Image: Ima	These navigation buttons allow you to move easily through large reports. The left-most arrow button moves from anywhere in the report to the first page. The right-most arrow button moves from anywhere in the report to the last page. The inner arrow buttons move one page in the direction the arrows indicate. The square button is not used.		
100%	Allows you to choose a variety of magnification levels.		
5	Sends the report to your default printer.		
	Allows you to export the report to a file or send the report as e-mail.		