

Step-by-Step Procedure

When billing a prorated account, all billing procedures remain the same. The Billing Journal will look to the Control Table for the number of days for long and short bills. During the Bill Print, verify the On Peak Demand Charges and Distribution Demand Charges calculated correctly.

Example 1: Short Bill - Final Bill with only 21 days

Journals > Billing and Adjustments > Billing Journal > Bill Print

The bill dates in the example are from 01/01/2019 – 01/22/2019.

The Bill displays a Calculated Prorated Demand Rate (\$5.95) versus the standard Demand Rate (\$8.50).

NorthStar calculated the prorated demand rate based on the following:

$$\begin{aligned} \text{Demand Rate} / \text{Standard Bill Days} &= \\ \text{Daily Demand Rate} \times \text{Actual Billing Days} &= \\ \text{Prorated Demand Rate.} \end{aligned}$$

The Prorated Demand Rate is multiplied by the On Peak Demand resulting in the Prorated On Peak Demand Charge.

This example translates to:

$$\$8.50/30 \text{ days} = 0.28333 \text{ (daily rate)}$$



$$0.28333 \times 21 \text{ bill days} = \$5.95$$



$$\$5.95 \text{ (prorated rate)} \times 191.80 \text{ (on peak demand)} = \$1141.21 \text{ (on peak demand charge)}$$

Billing Journal (BROWSE)		BILLS PRINTED	
Print Save Cancel Close			
Results Status Erlog			
ACCT 046 046	00001486 03/05/2019 02/13/2019	5,969.06	6,028.75
HIST	01/22/2019 21 76572 3646 4	0 01/01/2019 31 146890 4738 16	1 12/01/2018 30 13
MTR	E CP2ONT 01/22/2019 01/01/2019 21 CE	0 2400	29628.4000 kWh 76572.3000 N ON KWH
MTR	E CP2OFT 01/22/2019 01/01/2019 21 CE	0 2400	46943.9000 kWh N OF KWH
MTR	E CP2ONT 01/22/2019 01/01/2019 21 CE	2400	191.8000 kW 0.00 370.0000 N ON DEM
MTR	E CP2OFT 01/22/2019 01/01/2019 21 CE	2400	198.2000 kW N OF DEM
MTR	W W2.00 01/22/2019 01/01/2019 21 CE	032193 032189	1 4.0000 per 1000 gallon N
MTR	W W3.00 01/22/2019 01/01/2019 21 CE	022181 022181	1 0.0000 per 1000 gallon N
CHRH	PREVIOUS BALANCE	11,991.38	
CHRH	PAYMENT 01/18/2019	-11,560.76	
CHRH	PAYMENT 01/18/2019	-123.00	
CHRH	PAYMENT 01/18/2019	-174.42	
CHRH	PAYMENT 01/18/2019	-133.20	
CHRH	BALANCE FORWARD	0.00	
CHRG	ELECTRIC SERVICE:		
CHRG	Customer Charge CP2ONT	105.00	
CHRG	On Peak Energy Charge CP2ONT	0.070100 29628	2,076.95
CHRG	Off Peak Energy Charge CP2OFT	0.051600 46944	2,422.31
CHRG	On Peak Demand Charge CP2ONT	5.950000 191.80	1,141.21
CHRG	Distribution Demand Charge	1.500000 370.00	388.50
CHRG	Transformer Ownership Discount	-64.75	
CHRG	Power Cost Adjustment Charge	-0.006800 76572	-520.69
CHRG	Transmission Metering Discount	-150.72	
CHRG	Sales Tax	302.28	
CHRG	Commitment to Community	25.00	

The Bill displays a calculated prorated Distribution Demand Charge of \$388.50 instead of the standard calculated Distribution Demand Charge of \$555.00.

NorthStar calculated the prorated distribution demand rate based on the following:

Distribution Demand / Standard bill days = Distribution Demand per day x Actual bill days = Prorated Distribution Demand x Distribution Demand Rate = Prorated Demand Charge.

This example translates to:
370 kW / 30 days = 12.3333 kW per day

↓
12.3333 kW x 21 bill days = 259 kW

↓
259 kW x \$1.50 rate = \$388.50

Note: The Distribution Demand Charge is not displaying the prorated rate, but displays the actual rate. This is a known issue and is being addressed by WPPI Energy and NorthStar.

Billing Journal (BROWSE)		BILLS PRINTED	
ACCT	046 046	00001486 03/05/2019 02/13/2019	5,969.06 6,028.75
HIST	01/22/2019 21	76572 3646 4	0 01/01/2019 31 146890 4738 16 1 12/01/2018 30 13
MTR	E	CP2ONT 01/22/2019 01/01/2019 21 CE	0 2400 29628.4000 kWh 76572.3000 N ON KWH
MTR	E	CP2OFT 01/22/2019 01/01/2019 21 CE	0 2400 46943.9000 kWh N OF KWH
MTR	E	CP2ONT 01/22/2019 01/01/2019 21 CE	2400 191.8000 kW 0.00 370.0000 N ON DEM
MTR	E	CP2OFT 01/22/2019 01/01/2019 21 CE	2400 198.2000 kW N OF DEM
MTR	W	W2.00 01/22/2019 01/01/2019 21 CE	032193 032189 1 4.0000 per 1000 gallon N
MTR	W	W3.00 01/22/2019 01/01/2019 21 CE	022181 022181 1 0.0000 per 1000 gallon N
CHRH		PREVIOUS BALANCE	11,991.38
CHRH		PAYMENT 01/18/2019	-11,560.76
CHRH		PAYMENT 01/18/2019	-123.00
CHRH		PAYMENT 01/18/2019	-174.42
CHRH		PAYMENT 01/18/2019	-133.20
CHRH		BALANCE FORWARD	0.00
CHRG		ELECTRIC SERVICE:	
CHRG		Customer Charge CP2ONT	105.00
CHRG		On Peak Energy Charge CP2ONT	0.070100 29628 2,076.95
CHRG		Off Peak Energy Charge CP2OFT	0.051600 46944 2,422.31
CHRG		On Peak Demand Charge CP2ONT	5.950000 191.80 1,141.21
CHRG		Distribution Demand Charge	1.500000 370.00 388.50
CHRG		Transformer Ownership Discount	-64.75
CHRG		Power Cost Adjustment Charge	-0.006800 76572 -520.69
CHRG		Transmission Metering Discount	-150.72
CHRG		Sales Tax	302.28
CHRG		Commitment to Community	35.00

If the customer has a transformer ownership discount, this will prorate as well.

In this example, the regular discount would be -\$92.50. The prorated discount is -\$64.75.

($-\$0.25 \times 370 \text{ kW} = -\$92.50 / 30 \text{ days} = -\$3.08 \times 21 \text{ days} = -\64.75)

Note: The Transformer Ownership Discount varies by member based on the Utilities' tariff.

Billing Journal (BROWSE)		BILLS PRINTED	
ACCT	046 046	00001486 03/05/2019 02/13/2019	5,969.06 6,028.75
HIST	01/22/2019	21 76572 3646	4 0 01/01/2019 31 146890 4738 16 1 12/01/2018 30 13
MTR	E	CP2ONT 01/22/2019 01/01/2019	21 CE 0 2400 29628.4000 kWh 76572.3000 N ON KWH
MTR	E	CP2OFT 01/22/2019 01/01/2019	21 CE 0 2400 46943.9000 kWh N OF KWH
MTR	E	CP2ONT 01/22/2019 01/01/2019	21 CE 2400 191.8000 kW 0.00 370.0000 N ON DEM
MTR	E	CP2OFT 01/22/2019 01/01/2019	21 CE 2400 198.2000 kW N OF DEM
MTR	W	W2.00 01/22/2019 01/01/2019	21 CE 032193 032189 1 4.0000 per 1000 gallon N
MTR	W	W3.00 01/22/2019 01/01/2019	21 CE 022181 022181 1 0.0000 per 1000 gallon N
CHRH	PREVIOUS BALANCE 11,991.38		
CHRH	PAYMENT 01/18/2019 -11,560.76		
CHRH	PAYMENT 01/18/2019 -123.00		
CHRH	PAYMENT 01/18/2019 -174.42		
CHRH	PAYMENT 01/18/2019 -133.20		
CHRH	BALANCE FORWARD 0.00		
CHRG	ELECTRIC SERVICE:		
CHRG	Customer Charge CP2ONT 105.00		
CHRG	On Peak Energy Charge CP2ONT 0.070100 29628 2,076.95		
CHRG	Off Peak Energy Charge CP2OFT 0.051600 46944 2,422.31		
CHRG	On Peak Demand Charge CP2ONT 5.950000 191.80 1,141.21		
CHRG	Distribution Demand Charge 1.500000 370.00 388.50		
CHRG	Transformer Ownership Discount -64.75		
CHRG	Power Cost Adjustment Charge -0.006800 76572 -520.69		
CHRG	Transmission Metering Discount -150.72		
CHRG	Sales Tax 302.28		
CHRG	Commitment to Community 35.00		

Example 2

Long Bill - Final Bill with 34 days

The bill dates in the example below are from 01/01/2019 – 02/04/2019

The Bill displays a Calculated Prorated Demand Rate (\$9.63) versus the standard Demand Rate (\$8.50).

NorthStar calculated the prorated demand rate based on the following:

Demand Rate / Standard Bill Days =
Daily Demand Rate x Actual Billing Days = Prorated Demand Rate.

This example translates to:
\$8.50/30 days = 0.28333 (daily rate)

↓
0.28333 x 34 bill days = \$9.633

↓
\$9.633 (prorated rate) x 181.00 (on peak demand) = \$1743.63 (on peak demand charge)

Journals > Billing and Adjustments > Billing Journal > Bill Print

Billing Journal (BROWSE)		BILLS PRINTED	
Print Save Cancel Close			
Results Status Erlog			
ACCT 046 046	00001486 03/05/2019 02/13/2019	9,302.23	9,395.26
HIST	02/04/2019 34 118944 3498 5	0 01/01/2019 31 146890 4738 16	1 12/01/2018 30 130
MTR	E CP2ONT 02/04/2019 01/01/2019 34 CE		0 2400 47451.9000 kWh 118943.7000 N ON KWH
MTR	E CP2OFT 02/04/2019 01/01/2019 34 CE		0 2400 71491.8000 kWh N OF KWH
MTR	E CP2ONT 02/04/2019 01/01/2019 34 CE	2400	181.0000 kW 0.00 370.0000 N ON DEM
MTR	E CP2OFT 02/04/2019 01/01/2019 34 CE	2400	185.5000 kW N OF DEM
MTR	W W2.00 02/04/2019 01/01/2019 34 CE	032194 032189	1 5.0000 per 1000 gallon N
MTR	W W3.00 02/04/2019 01/01/2019 34 CE	022181 022181	1 0.0000 per 1000 gallon N
CHRH	PREVIOUS BALANCE	11,991.38	
CHRH	PAYMENT 01/18/2019	-11,560.76	
CHRH	PAYMENT 01/18/2019	-123.00	
CHRH	PAYMENT 01/18/2019	-174.42	
CHRH	PAYMENT 01/18/2019	-133.20	
CHRH	BALANCE FORWARD	0.00	
CHRG	ELECTRIC SERVICE:		
CHRG	Customer Charge CP2ONT	170.00	
CHRG	On Peak Energy Charge CP2ONT	0.070100 47452	3,326.38
CHRG	Off Peak Energy Charge CP2OFT	0.051600 71492	3,688.98
CHRG	On Peak Demand Charge CP2ONT	9.633333 181.00	1,743.63
CHRG	Distribution Demand Charge	1.500000 370.00	629.00
CHRG	Transformer Ownership Discount	-104.83	
CHRG	Power Cost Adjustment Charge	-0.006800 118944	-808.81
CHRG	Transmission Metering Discount	-234.70	
CHRG	Sales Tax	470.94	
CHRG	Commitment to Community	55.66	

The Bill displays a Calculated Prorated Distribution Demand charge of \$370.00 instead the standard calculated Distribution Demand charge of \$629.00.

NorthStar calculated the prorated distribution demand rate based on the following:

Distribution Demand / Standard bill days = Distribution Demand per day x Actual bill days = Prorated Distribution Demand x Distribution Demand Rate = Prorated Demand Charge.

This example translates to:

370 kW / 30 days = 12.3333 kW per day



12.3333 kW x 34 bill days = 419.33 kW



419.33 kW x \$1.50 rate = \$629.00

Billing Journal (BROWSE)		BILLS PRINTED	
ACCT	046 046	00001486 03/05/2019 02/13/2019	9,302.23 9,395.26
HIST	02/04/2019 34 118944 3498 5	0 01/01/2019 31 146890 4738 16	1 12/01/2018 30 130
MTR	E	CP2ONT 02/04/2019 01/01/2019 34 CE	0 2400 47451.9000 kWh 118943.7000 N ON KWH
MTR	E	CP2OFT 02/04/2019 01/01/2019 34 CE	0 2400 71491.8000 kWh N OF KWH
MTR	E	CP2ONT 02/04/2019 01/01/2019 34 CE	2400 181.0000 kW 0.00 370.0000 N ON DEM
MTR	E	CP2OFT 02/04/2019 01/01/2019 34 CE	2400 185.5000 kW N OF DEM
MTR	W	W2.00 02/04/2019 01/01/2019 34 CE	032194 032189 1 5.0000 per 1000 gallon N
MTR	W	W3.00 02/04/2019 01/01/2019 34 CE	022181 022181 1 0.0000 per 1000 gallon N
CHRH		PREVIOUS BALANCE	11,991.38
CHRH		PAYMENT 01/18/2019	-11,560.76
CHRH		PAYMENT 01/18/2019	-123.00
CHRH		PAYMENT 01/18/2019	-174.42
CHRH		PAYMENT 01/18/2019	-133.20
CHRH		BALANCE FORWARD	0.00
CHRG		ELECTRIC SERVICE:	
CHRG		Customer Charge CP2ONT	170.00
CHRG		On Peak Energy Charge CP2ONT	0.070100 47452 3,326.38
CHRG		Off Peak Energy Charge CP2OFT	0.051600 71492 3,688.98
CHRG		On Peak Demand Charge CP2ONT	9.633333 181.00 1,743.63
CHRG		Distribution Demand Charge	1.500000 370.00 629.00
CHRG		Transformer Ownership Discount	-104.83
CHRG		Power Cost Adjustment Charge	-0.006800 118944 -808.81
CHRG		Transmission Metering Discount	-234.70
CHRG		Sales Tax	470.94
CHRG		Commitment to Community	55.55

If the customer has a transformer ownership discount, this will prorate as well.

In this example, the regular discount would be -\$92.50. The prorated discount is -\$104.83.

$(-\$0.25 \times 370 \text{ kW} = -\$92.50 / 30 \text{ days} = -\$3.08 \times 34 \text{ days} = -\$104.83)$

Note: The Transformer Ownership Discount varies by member based on the Utilities' tariff.

Billing Journal (BROWSE)		BILLS PRINTED	
Print Save Cancel Close			
Results Status Errlog			
ACCT	046 046	00001486 03/05/2019 02/13/2019	9,302.23 9,395.26
HIST		02/04/2019 34 118944 3498 5	0 01/01/2019 31 146890 4738 16 1 12/01/2018 30 130
MTR	E	CP2ONT 02/04/2019 01/01/2019 34 CE	0 2400 47451.9000 kWh 118943.7000 N ON KWH
MTR	E	CP2OFT 02/04/2019 01/01/2019 34 CE	0 2400 71491.8000 kWh N OF KWH
MTR	E	CP2ONT 02/04/2019 01/01/2019 34 CE	2400 181.0000 kW 0.00 370.0000 N ON DEM
MTR	E	CP2OFT 02/04/2019 01/01/2019 34 CE	2400 185.5000 kW N OF DEM
MTR	W	W2.00 02/04/2019 01/01/2019 34 CE	032194 032189 1 5.0000 per 1000 gallon N
MTR	W	W3.00 02/04/2019 01/01/2019 34 CE	022181 022181 1 0.0000 per 1000 gallon N
CHRH		PREVIOUS BALANCE	11,991.38
CHRH		PAYMENT 01/18/2019	-11,560.76
CHRH		PAYMENT 01/18/2019	-123.00
CHRH		PAYMENT 01/18/2019	-174.42
CHRH		PAYMENT 01/18/2019	-133.20
CHRH		BALANCE FORWARD	0.00
CHRG		ELECTRIC SERVICE:	
CHRG		Customer Charge CP2ONT	170.00
CHRG		On Peak Energy Charge CP2ONT	0.070100 47452 3,326.38
CHRG		Off Peak Energy Charge CP2OFT	0.051600 71492 3,688.98
CHRG		On Peak Demand Charge CP2ONT	9.633333 181.00 1,743.63
CHRG		Distribution Demand Charge	1.500000 370.00 629.00
CHRG		Transformer Ownership Discount	-104.83
CHRG		Power Cost Adjustment Charge	-0.006800 118944 -808.81
CHRG		Transmission Metering Discount	-234.70
CHRG		Sales Tax	470.94
CHRG		Commitment to Community	55.55