

# Deferred Billing - Energy Force

Last Modified on 10/31/2023 4:53 pm EDT

Deferred Billing bills customers for their usage based on Remote Tank Monitor readings. Deliveries are made to an inventory department at \$0 and once a month they are billed for their usage at the average price for the month.

## Rules

- Monitor readings have to be imported through the Remote Tank Monitor import program.
- The Deferred Billing program can automatically charge an upcharge for premium product on contracts. Product-level contracts will need to be set up for the upcharges to work.
- The Deferred Billing program does not process splits.
- This program does require a user role.

Deferred Billing is located at *Meter Menu / Deferred Billing*.

## Maintenance Table Setup

### Maintenance Tables

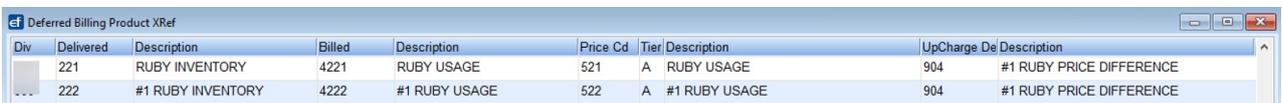
Navigate to *Supervisor Menu / Maintenance Menu / Maintenance Tables*.

1. Departments for each inventory need to be set up for the deliveries. The departments will need to have the tank *Type* filled in and *Gas Dept* set as *Y*. The *Interface Billing Code* is *81*, the *Posting Transaction Code* is *14*, and *Global Department* needs to be checked.
2. Departments for the usage need to be set up for each fuel. The departments will need to have the tank *Type* filled in with *Gas Dept* set as *Y*. The *Interface Billing Code* should be *82* and the *Posting Transaction Code* is *13*.
3. Price Codes need to be created for each inventory product at \$0. This is for the deliveries.
4. Price Codes need to be created for each usage department. These Price Codes need to be set up with *Price Type* set to *0* and *Avgd Price* set as *Y*. Prices need to be kept updated. The best way to do so is using a *Rack Code*.
5. Two Meter Cycles should be created - one for Deferred Billing and one for Deferred Billing final processing.

## Deferred Billing Product XRef

Navigate to *Meter Menu / Deferred Billing / Deferred Billing Product XRef*.

This table is used to identify which product number to bill based off of the delivered product. It also identifies which upcharge department to use if an upcharge applies.



Div	Delivered	Description	Billed	Description	Price Cd	Tier	Description	UpCharge De	Description
...	221	RUBY INVENTORY	4221	RUBY USAGE	521	A	RUBY USAGE	904	#1 RUBY PRICE DIFFERENCE
...	222	#1 RUBY INVENTORY	4222	#1 RUBY USAGE	522	A	#1 RUBY USAGE	904	#1 RUBY PRICE DIFFERENCE

### Setup on the Customer Accounts

1. Set up tanks on the customer account using the Inventory Delivery Department and Price Code with \$0.
2. Monitors need to be set up in the tank and meter inventory and placed on the customers' accounts marked as *RTM with Deferred Billing*. For the *Cycle Code*, select the Meter Cycle for Deferred Billing. The default product on the monitor should be the usage department and Deferred Billing Price Code.

### Remote Tank Monitoring

No RTM  
 Gallons/Percent Update Only  
 RTM with Deferred Billing  
 Automatic Meter Read

3. The monitor needs to have an opening line in the Deferred Billing history for each product with gallons that are in the tank at the time of setup. The opening line will have the *Delivery Date*, *Billing Date*, *Delivered Product*, *Billed Product*, *Transaction Type* of billed, *Delivery Invoice#*, *Gallons Delivered* (which will be 0), *Gallons Billed* (which will be 0), and the *Gallons Not Billed* (which will need to be filled in with the number of gallons of the product in the tank).

Delivery Date	Billing Date	Delivered Product	Description	Billed Product	Description	TransactionType	Delivery Invoice#	Billing Invoice#	Gallons Delivered	Gallons Billed	Gallons Not Billed
07/29/21	08/21/21	240	ZUNL 87 OCTANE INVENTORY	4240	UNL 87 OCTANE USAGE	Billed	110843	0	0.0	0.0	231.2

4. Monitor readings need to be imported for Deferred Billing to work, as Deferred Billing reads the Remote Tank Read Audit for the tank levels.

## Deferred Billing Processing

Navigate to *Meter Menu / Deferred Billing*.

1. Run the **Deferred Billing Pre-Bill Report**.

### Deferred Billing

Deferred Billing Product XRef	Deferred Billing Pre-Bill Report
Customer Owned Gallons	Process Deferred Billing
Buyouts	Pre-Billing Review
	Print Invoices

- a. Enter the *Division Number* of the customers. For databases that validate on tank location, the *Division* would be 1.
- b. Enter the Deferred Billing *Meter Cycle Code*.
- c. Enter the *Process* date and the *Delivery End* date (the date through which to include deliveries).
- d. Select **Process**. The report will open in Excel and will be saved in the CSV folder. This report will show

how many gallons have been consumed and how many are going to be billed. Consumed gallons under 25 will not process and will wait until next month when the usage should be higher. Check for lines with an E in the Status column. These are Remote Tank Monitor errors and will not bill. Run the report several times during the month to check for Remote Tank Reading errors to ensure there is time to get them corrected prior to billing. Readings more than five days old will not be used.

Status	Status Description	Customer Number	Customer Name	Meter ID	Last Billing Date	Last Read Date	Last Read	Gallons Delivered	Current Read Date	Current Read	Est Gallons Consumed	Customer Owned Gallons	Contract Gallons
		269600	SMITH, JEFF	13928-1.1	4/21/2022	4/21/2022	2881	0	5/21/2022	2080.5	800.5	2881.1	5000
		269600	SMITH, JEFF	13928-2.1	4/21/2022	4/21/2022	831	0	5/21/2022	730.7	100.3	830.7	2000
		330000	ABC FARM	14852-1.2	4/21/2022	4/20/2022	320	500.2	5/20/2022	450.5	369.7	0	809.8
		367575	LONGHORN RANCH	15622-1.1	4/21/2022	4/21/2022	154	0	5/21/2022	113.4	36.6	238.5	0
		1671000	VOSHEL, THERESA	40990-1.2	4/21/2022	4/21/2022	224	397.6	5/21/2022	392.7	228.9	0	871
E	Reading Date 05 / 17 / 2022 was previously process	1683900	KILMER, VAL	41050-1.3	4/21/2022	4/21/2022	331	0	5/17/2022	314.2	16.8	129.8	2000
		107674	PIT, BRAD	41178-2.1	4/21/2022	4/21/2022	376	0	5/21/2022	331	45	376.1	1300
E	Reading Date 11 / 18 / 2021 is prior to 5 days ago.	8000182	BIG TIME CONSTRUCTION LL	8000182-1.4	12/21/2021	12/20/2021	801	0	11/18/2021	880.9	-79.9	0	0

Calculation example

Last read 320

Plus Gallons Delivered 500.2

Less Current Read -450.5

Gallons Consumed 369.7

## 2. Select Process Deferred Billing.

Deferred Billing

Deferred Billing Product XRef

Customer Owned Gallons

Buyouts

Deferred Billing Pre-Bill Report

Process Deferred Billing

Pre-Billing Review

Print Invoices

- Enter the *Division Number* of the customers.
- Enter the Deferred Billing *Meter Cycle Code*.
- Enter the *Process* date.
- Enter the date range for the price to average.
- Select **Process**. A report run to *Video* will display.
- Once the report is closed, the *Pre-Post Review* screen will display. This screen is defaulted to *View All* transactions. Select **View Contracts Only** to see contract transactions only. Upcharge transactions will also be displayed here.

Cust#	Contact Name	Tank Id	Monitor Number	Tank Cap	Split Bill%	Record Type	Department	Transaction	Consumed Gallons	Price	Price Code	Tier	Total Tax	Total Amount
109	10321-1.1	561.00	Average Price	4241	13	623.30	4.1372	641	B	\$0.00	\$2,578.72			
	280	10595-1.1	5001.00	Average Price	4244	13	1000.00	4.4389	542	A	\$0.00	\$4,438.90		
	1.634	13928-1.3	1001.00	Customer Owned	4201	13	329.80	0.0000	0		\$0.00	\$0.00		
	1.634	13928-1.3	1001.00	Customer Owned	4200	13	11.20	0.0000	0		\$0.00	\$0.00		
	1.680	14852-1.1	1001.00	Average Price	4201	13	572.80	4.5439	621	A	\$0.00	\$2,602.75		
	1.681	14852-1.2	1001.00	Contracted	4201	15	400.20	4.4740	999	A	\$0.00	\$1,790.69		
	1.712	15622-1.2	2001.00	Customer Owned	4221	13	1081.00	0.0000	0		\$0.00	\$0.00		
	1.724	16663-1.1	561.00	Contracted	4221	15	185.00	2.9200	999	A	\$0.00	\$540.20		
	1.725	16663-1.2	561.00	Average Price	4240	13	127.90	4.5276	540	B	\$0.00	\$579.08		
	1.840	21106-1.1	1001.00	Average Price	4221	13	670.30	4.5439	621	A	\$0.00	\$3,045.78		
	16.538	8000345-1.1	12087.00	Customer Owned	4221	13	3989.00	0.0000	0		\$0.00	\$0.00		
	16.539	8000345-1.2	1001.00	Contracted	4222	15	220.00	2.5500	999	A	\$0.00	\$561.00		
	16.539	8000345-1.2	1001.00	Upcharge	504	13	220.00	0.1000	999	A	\$0.00	\$22.00		
	1.850	21120-1.2	10841.00	Average Price	4202	13	2533.00	4.6020	602	A	\$0.00	\$11,884.04		

Contract? No    Transaction ID    13

Split? No    Total Gals. Billed    623.30

Posting Reference UNL 87 OCTANE (10% ETH) USAGE

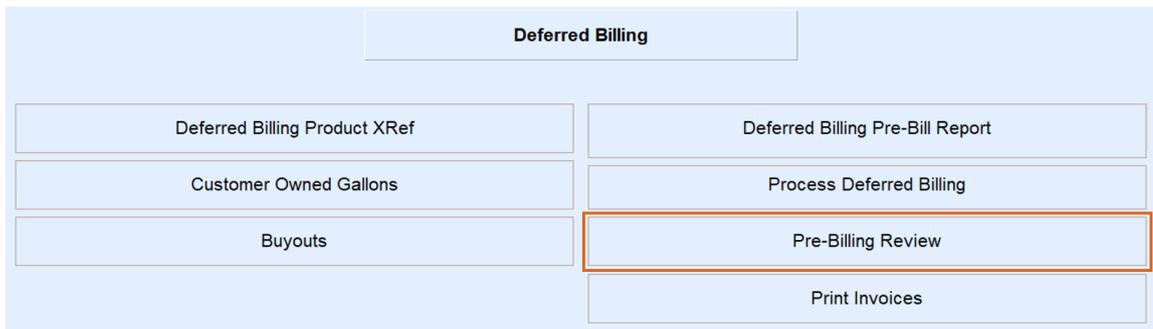
View All

View Contracts Only

Start Final Processing

Exit

- If needing to return to this screen after exiting, go to *Deferred Billing Menu / Pre-Billing Review*.



h. Select **Start Final Processing** when ready to post the transactions. Enter the *Posting Division* and select **Continue**. A sales journal will be created and transactions to the customer will be posted.

The journal can be viewed at *Posting Menu / Enter Sales*. The *User ID* will be *DEFB*. The consumption has been billed to the customers' accounts and can be viewed on the *History Inquiry* screen.

Also, the *Monitor* screen includes the following billing information:

1. The *Billing Date*, *Last Reading*, and *Reading Date* will be updated.
2. Deferred Billing history at the bottom of the *Monitor* screen will show the billings and how many gallons remain on the delivery.
3. New deliveries will be added if there are any. Deliveries do not display here until the Deferred Billing is processed.
4. Any customer-owned gallon usage is indicated. Customer-owned gallon usage will not display in the *History Inquiry* as the customer has already been billed for those gallons.

Meter Number	Meter Type	Cycle	Alt	Billing Date	Last Reading	Reading Date	Daily-Use	K-Factor	Elev Cd	Installed
50326-1.1	4	RU	A	09/26/22	1721	09/23/22	0.00	99.00	2	00/00/00

Location: 399 LMS	<b>Remote Tank Monitoring</b>		Inventory Hist
Price Code: 521 Tier C RUBY USAGE	<input type="radio"/> No RTM	Inventory Hst	Change Inventory Status
Default Dept: 4221 RUBY USAGE	<input type="radio"/> Gallons/Percent Update Only	View Temp Readings	Recurring Billing
Deposit / Date: \$0.00 00/00/00	<input checked="" type="radio"/> RTM with Deferred Billing	Recurring Billing	Cust. Owned Balance
Manufacturer:	<input type="radio"/> Automatic Meter Read		
Sales YTD: \$0.00 Gallons Billed YTD: 0.00	Target Refill Level: 30%		
Meter Tied to Tank: 2876 Customer #:	Critical Refill Level: 20%		
Tank Serial Number: 50326-1.1 Capacity: 2001.00			
Hold Estimates: Release Date: 00/00/00 Update K-Factor:			
Route: 371 Sequence Number: 0			

Delivery Date	Billing Date	Delivered Product	Description	Billed Product	Description	TransactionType	Delivery Invoice#	Billing Invoice#	Gallons Delivered	Gallons Billed	Gallons Not Billed
08/21/21				4221	RUBY USAGE	Billed		0	0.0	0.0	1120.6
09/21/21				4221	RUBY USAGE	Billed		458243	0.0	448.2	672.4
09/29/22				4221	RUBY USAGE	Using Cust Owned		623104	0.0	20.0	0.0
09/26/22				4221	RUBY USAGE	Billed		623104	0.0	190.0	482.4
09/15/21		221	ZRUBY INVENTORY			Delivered	86906		1008.2	0.0	1008.2
09/10/22		221	ZRUBY INVENTORY			Delivered	116206		230.0	0.0	230.0