LOGOS.NET®

Public Administration Software

Utility Management Report Writer

User Guide

Release 7.0

New World Systems®

The Public Sector Software Company

Printed in the United States of America

Contents

CHAPTER

1

INSTALLING THE REPORT WRITER

Overview

This chapter will explain how to down load and install the report writer on your application server.

Downloading the Report Writer

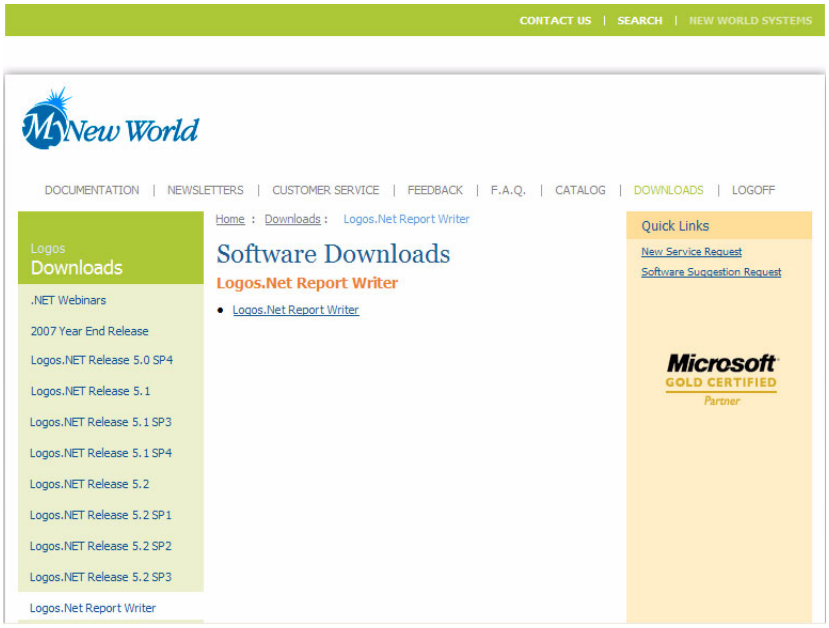
The Report Writer must first be downloaded from the MyNewWorld Web site.

NOTE:

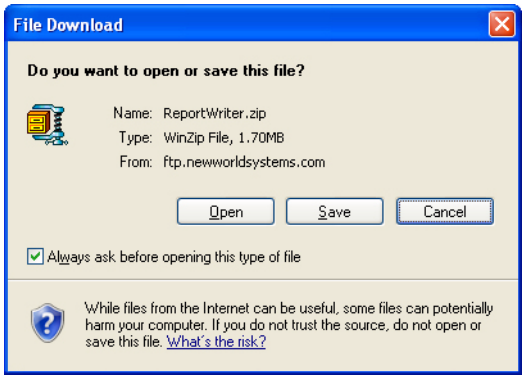
The Report Writer must be downloaded to the application server. You will need zip extraction software to open the file.

1. Before installing the report writer, verify that Enterprise Manager or SQL tools are installed on the application server where the report writer will be installed. The install cannot complete successfully without these tools. The tools are sometimes missing on test servers. If your test server does not have SQL tools, an option is to run the install on the live application server and select the test database when prompted for a database name.
2. Log on to MyNewWorld.
3. Select the Software Downloads option.

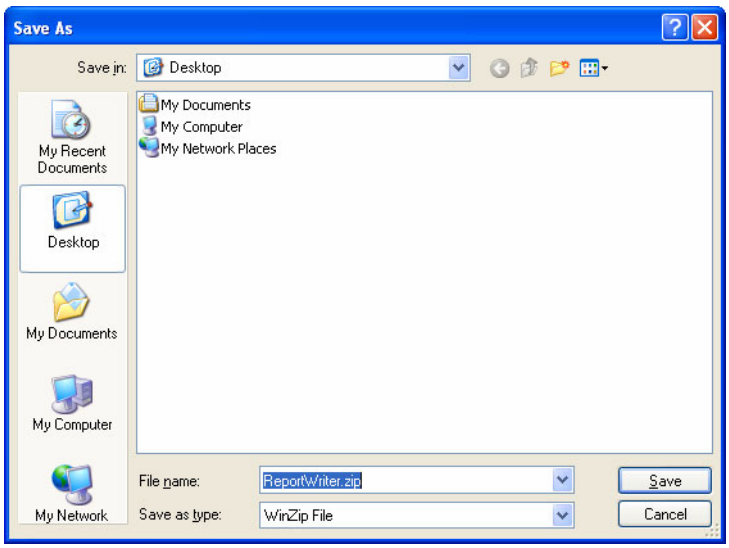
4 From the list of downloads, select Logos.NET Report Writer. You will see the following screen:



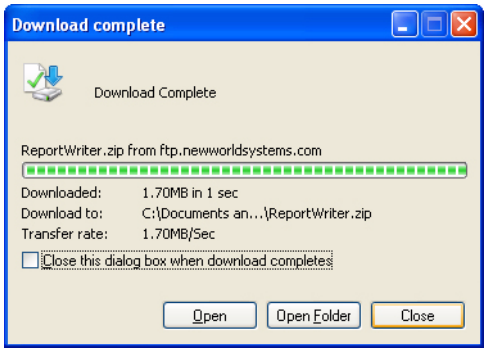
5 Click on Logos.NET Report Writer link. You will see the following screen:



6 Select the **Save** option. You will see the following screen:

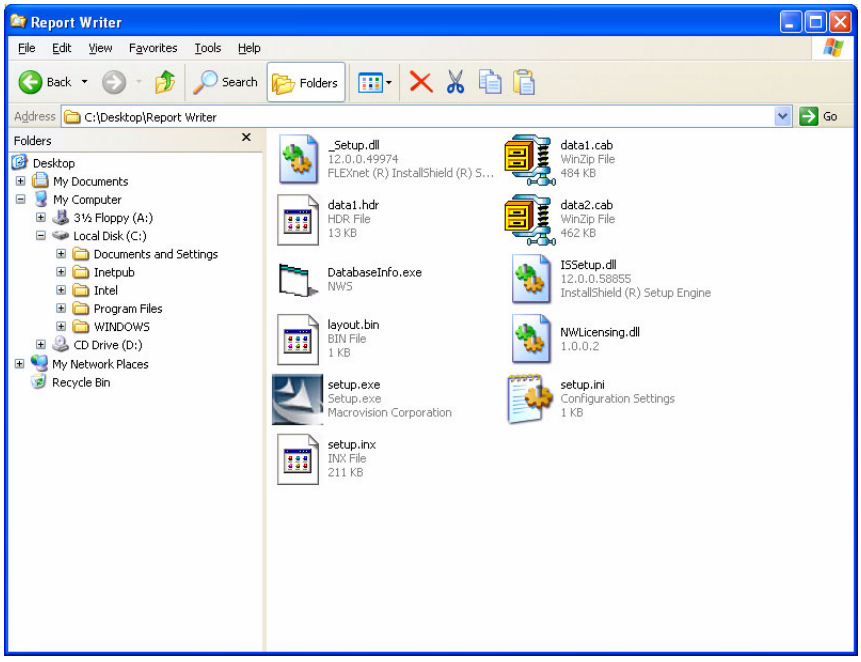


7 The file can be saved to the desktop or anywhere on the application server. Select a location and click **Save**. You will see the following screen when the download is complete:

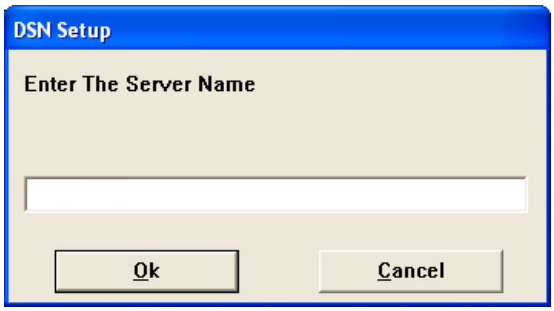


8 Click the **Open** button to open your file extraction program and unzip the file.

9 Navigate to the folder on the application server where the unzipped file is located. You will see a screen like the following:

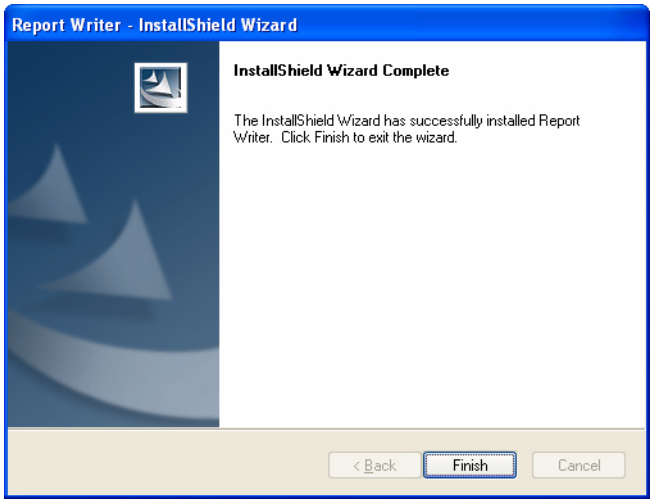


10 Double click the  Setup Icon. Two status screens will briefly appear; neither of them requires any action. You will then see the following screen:



11 Enter the name of the database server. This is often the same name as the application server. Click **OK**. You will see the following screen:

12 Enter the name of the database that resides on the server. The name should be either LogosDB or LogosTestDB. Click **OK**. You will see the following screen:



13 Click **Finish**. The installation is now complete.

CHAPTER
2

REPORT WRITER OVERVIEW AND SETUP

Overview

Data views provide an ad hoc reporting tool that allows users to access their Logos.NET data in a simple, intuitive format. The data views

- Present data in groupings that are logical to the user.
- Polish information. Database values are converted into Yes and No (for check boxes) and code and description (for enumeration sets) to yield a more user-accessible presentation of the data. Some fields, such as address, are available in a combined form, as well as in separate components (street address, city, state, Zip code).
- Strike a balance between providing enough information and versatility to yield meaningful reports and presenting the information simply enough that it is not overwhelming.
- Present calculated information (e.g., billed consumption).

Data View Fields

Some of the views in this release of the report writer have new fields. These are listed below. The fields are defined in the table for the view to which they belong.

Table 2.1 New Data View Fields

View	Field Changes
UtilityAccount	One new fields: • Bill Delivery Method
UtilityAssociatedCustomers	One new fields: • Bill Delivery Method

General Use Information

The sections below include additional general information about how the views have been linked, organized, and formatted.

Link Columns

All of the data views contain at least one link column (e.g., ServiceAddressLink) as the first column in the view. In some situations, the report you want will require information from more than 2 views. The link columns provide a means to join the views that provide the information you need. More specifically, it links the rows in The UtilityAccounts view to rows in the specified view. The link value tells the system how to identify a particular row. For example, if a service address link is 5000 for account 0000001-001, the 5000 represents this account number in the UtilityServiceAddress view. Creating a join will be discussed in the "Creating a Report in Crystal Reports" section on page 2-2.

Null vs. Blank Entries in Columns

Based on rules that govern those types, columns in the views that return numbers or dates cannot return blanks. When there is no value to return for number or date values, a value of "Null," the equivalent of a blank, will be returned. All other fields will return a blank when there is no value defined.

Field Sequencing

The columns in the views are ordered with the following goals in mind:

- Present the most important information in the earlier columns.
- Group like items together, the exception being where one or two items in the group are moved to the front because they are of greater importance.
- Provide a logical order to make the items easy to find.

Effective Dates

Many of the views now include a "Currently Billable" or "Active" option. This allows the user to create a report that will include all active items, rather than having to enter a specific effective date range to pull the items.

Creating a Report in Crystal Reports

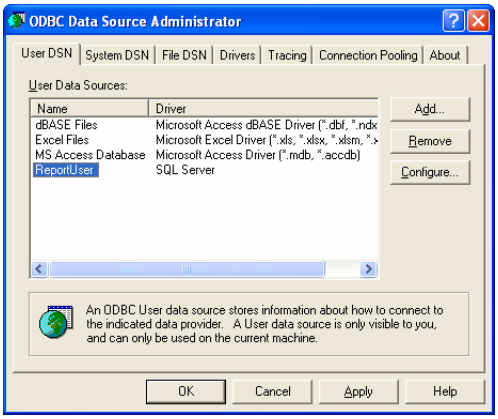
While the data views can be used through SQL queries to obtain information, the information can also be pulled into Crystal Reports to create formatted output for your organization. The steps below will illustrate creating a basic Crystal report with a Utility Management data view.

NOTE:

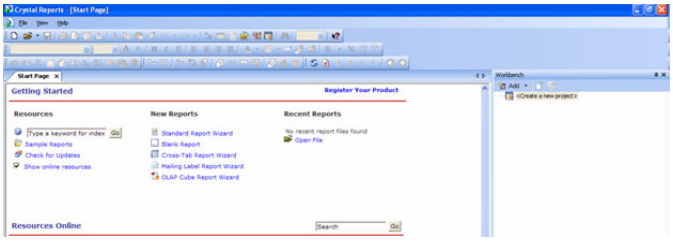
This section is meant to provide an overview of how Crystal Reports can be used with the data views to create a custom report. NWS does not support Crystal Reports and does not profess to know all of its features, but we are able to provide the basic steps to show how the data views and Crystal Reports can be used together. These steps are not meant to replace Crystal Reports training.

1. The installation of the report writer creates an ODBC connection called ReportUser; this is a data source that stores connection information that

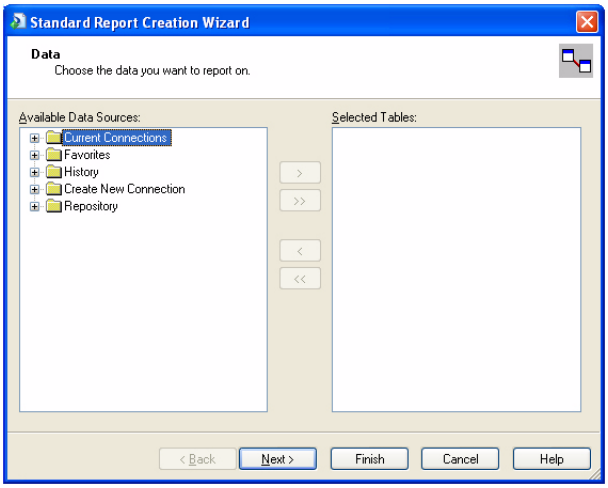
allows the user to connect to the data provider. To verify the creation of the ReportUser data source, select Start > Control Panel > Administrative Tools > Data Sources (ODBC). You should see a screen like the following:



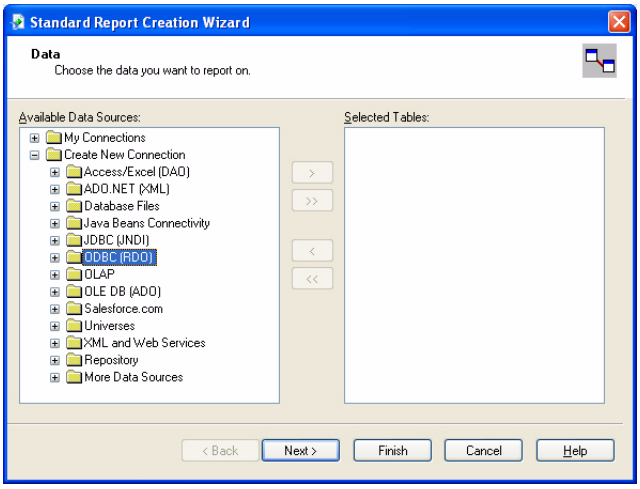
2 Open Crystal Reports. You will see the following screen.



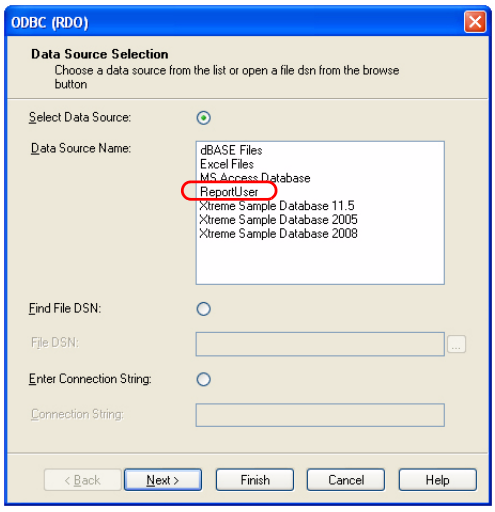
3 Select the Standard Report Wizard option. This will walk you through the steps that are used to define a report. You will see a screen like the following:



4 Click on Create New Connection. You will see a screen like the following:

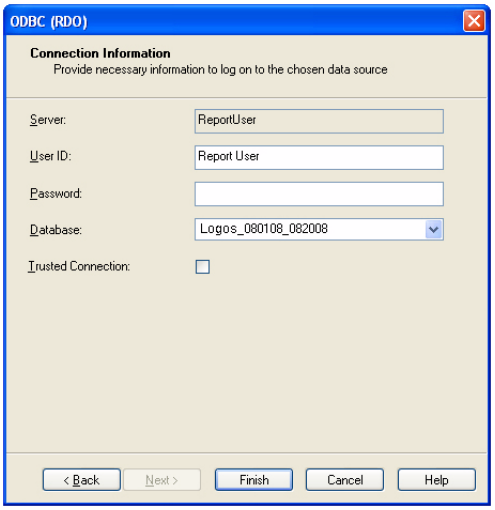


5 Click on ODBC (RDO). You will see a screen like the following:



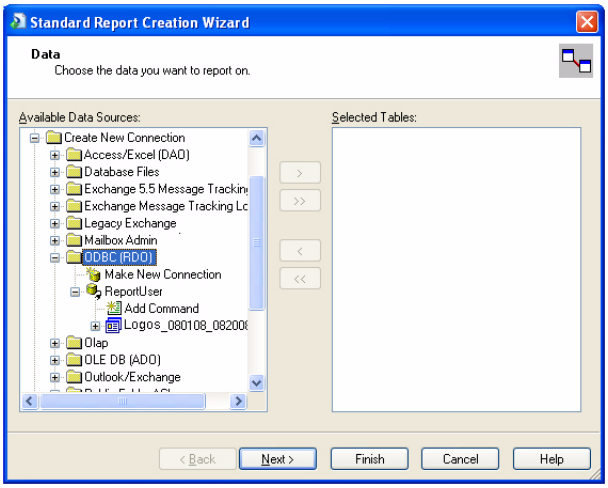
6 Use the selected value, Select Data Source. Select ReportUser and then click Next >.

7 The ReportUser ID created by default for the ODBC connection is displayed by default here.



8 Enter the *Password*, if used, and select the *Database*.

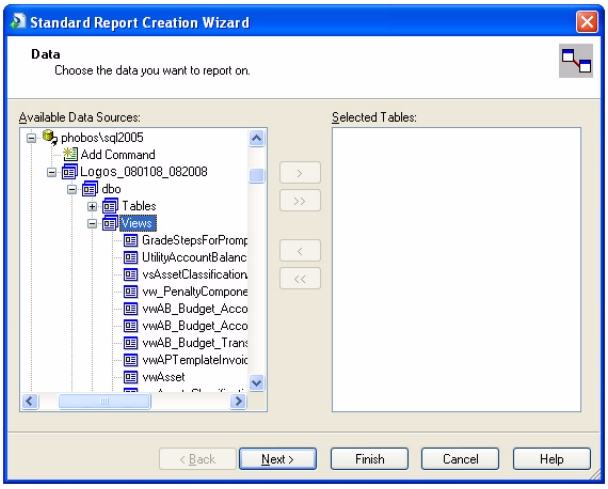
9 Click Finish. You will see the following screen:



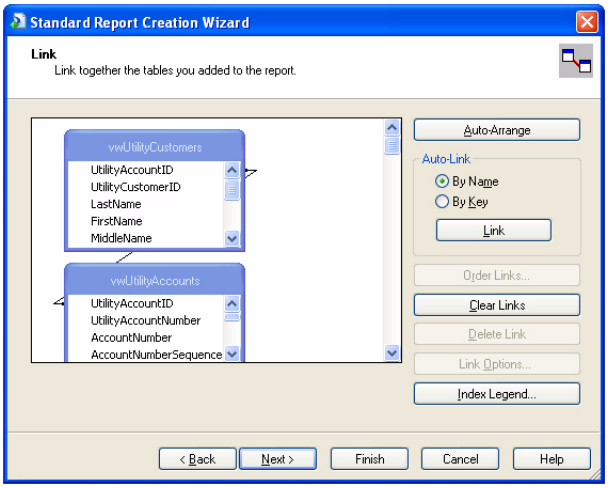
NOTE:

This connection can be saved by right-clicking on it and selecting the Save option. If the connection is not saved, it will need to be re-created each time you use Crystal Reports.

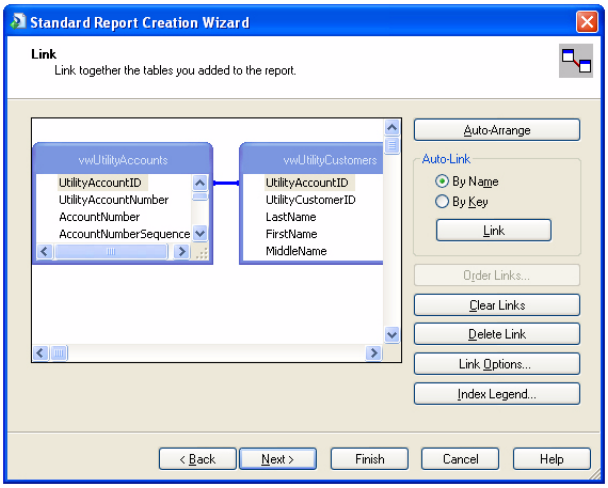
10 Click the ⊞ next to the database name to expand the options. Expand the views item to display the list of data views:



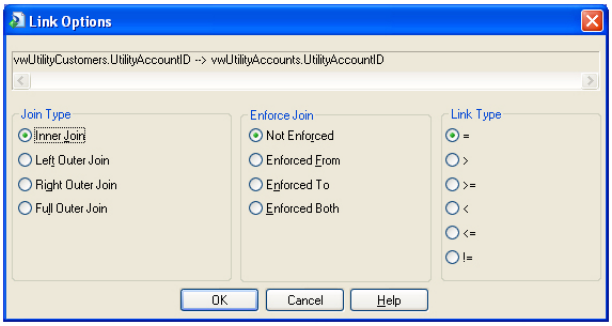
11 Select the views you want to use on your report. Refer to Chapter 3 for a list of the fields that are included in each view and the data they return. Click Next > to continue. You will see a screen like the following:



12 The Link page provides a visual display of the links between the views you selected in the previous step. The tables can be dragged within the frame, if desired:



13 Right click on the link bar and select Link Options. You will see the following screen for defining the link:

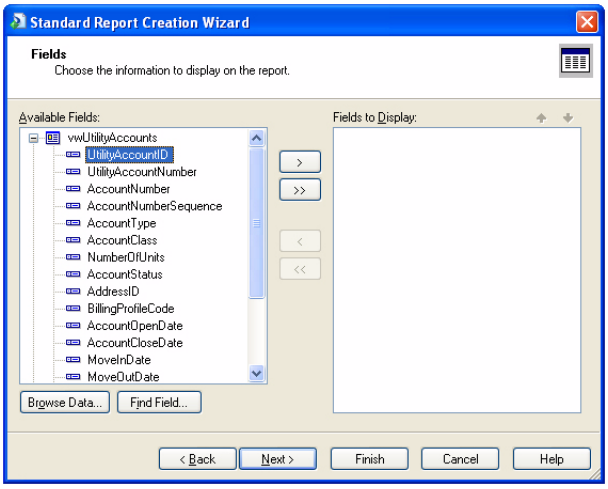


14 The Join Type depends on the relationship between the views.

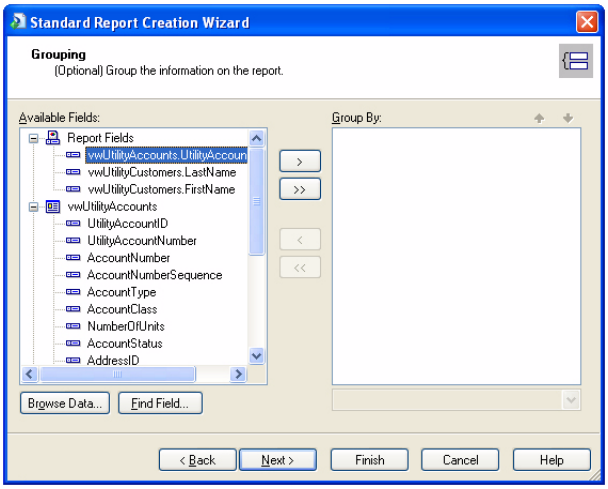
- Inner Join - select this to have a one-to-one relationship between the fields in the two views.
- Left Outer Join - select this option if there can be multiple instances of the view on the right to one in the view on the left.
- Right Outer Join - select this option if there can be one instance of the view on the right to multiple instances of the view on the left.
- Full Outer Joine - select this option if there can be a multiple-to-multiple relationship between the views.

It is fine to use the default values for Enforce Join and Link Type. Define the link options for each link between the views.

15 Click OK to return to the Link page. Click Next > to continue. You will see the following screen:

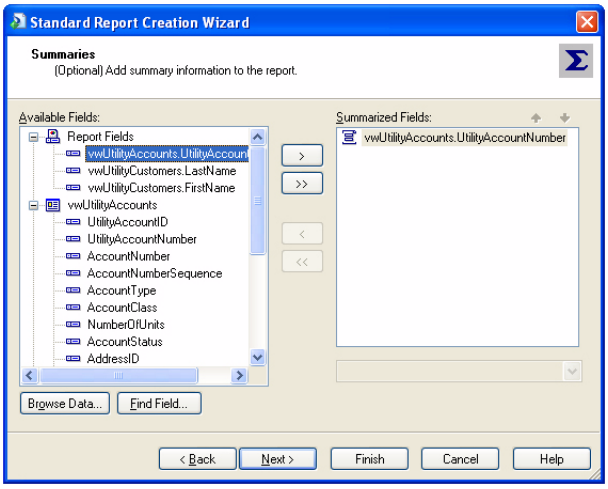


16 Now that the link(s) between the views are defined, select the fields from each view that you want to include on the report. Each field that you select will be a column header on the report output. Once a field is in the Fields to Display box, you can re-order them by dragging and dropping them in a new location. Once all the fields have been selected, click Next > to continue. You will see a screen like the following:

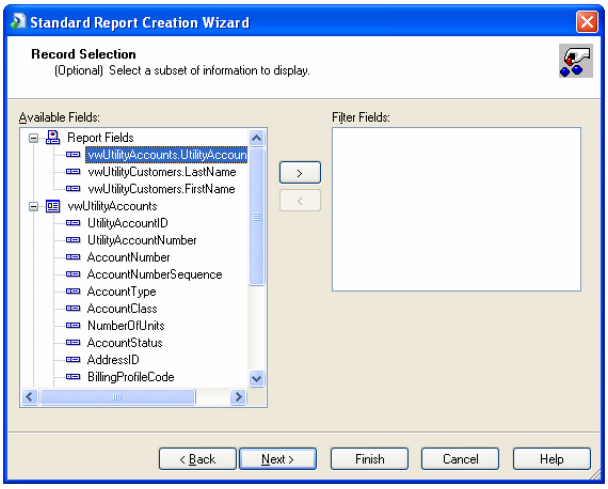


17 This screen is optional. The field that were selected to be included on the report are shown together at the top of the list. If desired, select a field by which to group the output that will display. For example, if you were reporting on services, you might want to group the results by account number so that all the services on a particular account will display together. Select grouping(s), if desired, and click Next > to continue.

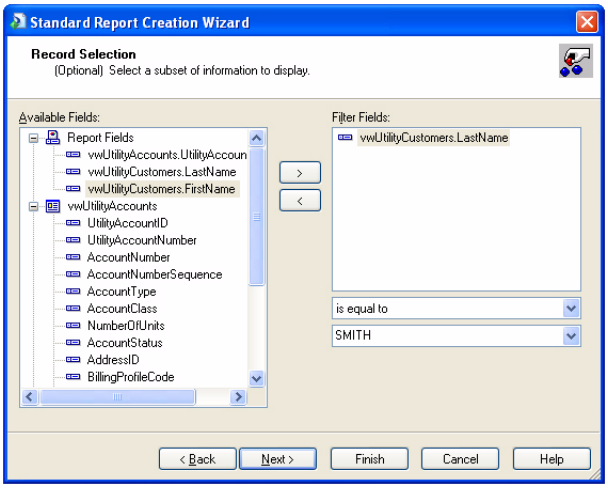
18 The Summaries screen displays next:



19 This screen is optional. It allows you to select fields for which the report should display totals. Select the *Summarized Fields*, if desired, and click Next > to continue. You will see a screen like the following:

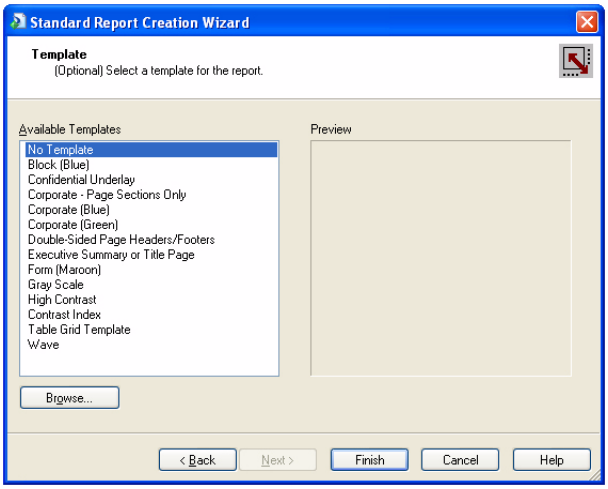


20 The Record Selection page is optional. It allows you to refine your search results for specific fields. Once you select a field to filter, additional fields will display to allow you to restrict the results:



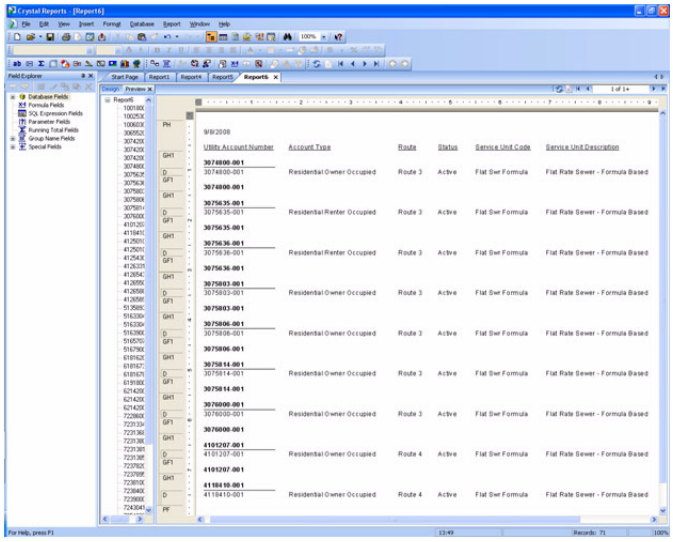
The first field is populated with conditions (e.g., is equal to, is not equal to, is greater than, etc.); the second field is populated with values from the database based on the field selected.

21 Restrict the output for all desired fields; then click Next > to continue. You will see a screen like the following:

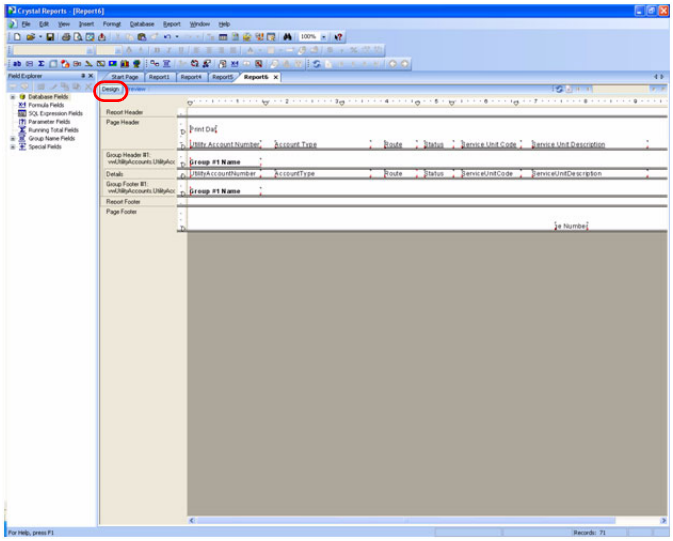


22 The Template page allows you to select a template that will be applied to the report. Select the desired template or the default value, No Template

and click . Crystal Reports will now generate your report; the output will resemble the following:



23 The report above does not use a template. Often the report will need to be edited to look exactly the way you want it to; to move information around, click the Design tab header (circled below) to work with the report in design view:



CHAPTER

3

DATA VIEWS

This chapter will describe the fields in the available data views.

Utility Account Billing Items

The Billing Items view returns account billing item information, including the times the billing item has been applied and the times remaining for it to be applied. The view also includes a link to work orders that were created from the utility account they apply to.

Table 3.1 Utility Account Billing Items

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *Utility-Accounts* view to get more information about the account.
WorkOrderLink	This value provides the ID that links this row to a corresponding row in the *Utility-WorkOrders* view to get more information about the work order, if the work order created billing items.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account number billed. It may contain up to 24 characters.
BillingItemCode	This value displays the code that uniquely identifies the billing item. It may contain up to 16 characters.
BillingItemDescription	This value displays details that further describe the billing item. It may contain up to 32 characters.
BillingItemQuantity	This is the count of the billing item that should be applied to the account. For example, if the account has 2 units (as in a duplex) and the charge is applied to both units, this value would be “2.”)
BillingItemAmount	This value displays the cost for this billing item charge.
TotalBillingItemCharge	The product of the quantity and the amount, this is the total cost of the billing item.
TimesToApply	This value displays the number of times this billing item should be charged to the account.
TimesApplied	This displays the number of times that the billing item has already been applied to the account.
TimesRemaining	The difference between the times to apply and the times applied, this is the number of times that the billing item will still be applied to the account.
TotalBillingItemChargesApplied	This is the total amount of charges to date attributed to this billing item.
TotalBillingItemChargesRemaining	This is the total still to be charged for this billing item.
WorkOrderNumber	If there is a billing item that originated from a work order, this value displays the number that uniquely identifies the work order. It may contain up to 20 characters.

Utility Account Non-Metered Units

A view gives details of all non-metered units on an account/address. It emphasizes consumption-based non-metered units. It provides links to accounts, services, and service addresses. It identifies historical vs. current, and includes route information and billing profile.

Table 3.2 Utility Account Non-Metered Units

Column	Description
NonMeterUnitLink	This value provides the ID that links other views to a corresponding row in the *UtilityAccountNonMeterUnits* view to get more information about the non-metered unit.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *UtilityServiceAddress* view to get more information about the service address.
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccounts* view to get more information about the account.
UtilityAccountServiceLink	This value provides the ID that links this row to a corresponding row in the *UtilityServices* view to get more information about the service.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account serviced by the non-metered unit. It may contain up to 24 characters.
ServiceCode	This value uniquely identifies the service fueled by this non-metered unit. It may contain up to 16 characters.
ServiceStatus	This value displays the current status of the service (active or inactive).
NonMeterUnitCode	This value displays the code for the non-metered unit assigned to the account. It can contain up to 16 characters.
NonMeterUnitDescription	This value contains a description of the non-metered unit. It can contain up to 32 characters.
ConsumptionBased	This Yes/No value indicates whether the non-metered unit values are based on consumption. If Yes, this measurement is used in bill calculations; if No, the non-metered unit consumption is a placeholder.
NonMeterUnitQuantity	This is the default quantity associeated to the Non-metered unit service address (e.g., 2 dumpsters). It can override the default unit quantity set on the non-metered unit.
NonMeterUnitQuantityOverride	If a non-metered unit override has been specified for this account, that value will display. It may contain 9 digits and is carried out to 2 decimal places.
DefaultUsage	This value shows the default usage for this account. It may contain 9 digits and is carried out to 2 decimal places.
CurrentlyBillable	This Yes or No value indicates whether this account would bill if you ran bills today. A Yes value indicates that the non-metered unit is active, is attached to an active service, is attached to an active account, and has an active rate associated to it.
NonMeterUnitStartDate	This value displays the date and time stamp that indicates when the unit became active on the account.
NonMeterUnitEndDate	If the non-metered unit is no longer active on the account, this value displays the date and time stamp that indicates when it became inactive.
PendingActualConsumption	This value is the pending consumption recorded but not yet used in billing calculations. It may contain 9 digits and is carried out to 2 decimal places.

Table 3.2 Utility Account Non-Metered Units

Column	Description
PendingBilledConsumption	This is the pending billed consumption, the product of the quantity override and the default usage. It may contain 19 digits and is carried out to 4 decimal places.
RouteLevel1Code	This value shows the code that identifies the Route Level 1 value for the route this account belongs to. It can contain up to 32 characters.
RouteLevel2Code	This value shows the code that identifies the Route Level 2 value (if defined) for the route this account belongs to. It can contain up to 32 characters.
RouteLevel3Code	This value shows the code that identifies the Route Level 3 value (if defined) for the route this account belongs to. It can contain up to 32 characters.
FullRoute	This value displays all route level codes, in order, to which the account belongs.
RouteLevel1Description	This value contains a description of the first route level. It can contain up to 128 characters.
RouteLevel2Description	This value contains a description of the second route level. It can contain up to 128 characters.
RouteLevel3Description	This value contains a description of the third route level. It can contain up to 128 characters.
BillingProfileCode	This value displays the code for the billing profile assigned to the account. It can contain up to 16 characters.
BillingProfileDescription	This value contains a description of the billing profile. It can contain up to 32 characters.

Utility Account Rates

This view returns rates associated to accounts and indicates whether the rate is billable. It shows both billable and non-billable rates associated to accounts. It provides a simple link to accounts, address, meters, non-metered units, and master rates.

Table 3.3 Utility Account Rates

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccounts* view to get more information about the account.
ServiceMeterLink	This value provides the ID that links this row to a corresponding row in the *UtilityServiceMetersActive* view to get more information about the meter. If a ServiceMeterLink is provided, the NonMeterUnitLink value is Null.
NonMeterUnitLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccountNonMeterUnits* view to get more information about the non-metered unit. If a NonMeterUnitLink is provided, the ServiceMeterLink value is Null.
MasterRateLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccountRates* view to get more information about the rate.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account being charged at this rate. It may contain up to 24 characters.
MeterNumber	This value indicates the number that uniquely identifies the meter. It may contain up to 32 characters. If a MeterNumber is provided, the NonMeterUnitCode is blank.

Table 3.3 Utility Account Rates

Column	Description
NonMeterUnitCode	This value displays the code for the non-metered unit assigned to the account. It can contain up to 16 characters. If a NonMeterUnitCode is provided, the Meter-Number is blank.
RateCode	This value displays the code that uniquely identifies the rate. It can contain up to 16 characters.
RateDescription	This value contains a description of the rate. It can contain up to 32 characters.
CurrentlyBillable	This Yes or No value indicates whether this rate on the account would bill if you ran bills today. A Yes value indicates that the account, service, meter/non-metered unit, and rate are all active.
ServiceClassCode	This value uniquely identifies the service class (e.g., Water & Sewer) in Logos.NET. It may contain up to 16 characters.

Utility Accounts

This view provides basic account characteristics for all accounts, including the billing profile, account type and class, and service and billing addresses. It provides a link to accounts and service addresses.

Table 3.4 Utility Accounts

Column	Description
UtilityAccountLink	This value provides the ID that links links other views to a corresponding row in the *UtilityAccounts* view to get more information about the account.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *Utility-ServiceAddress* view to get more information about the service address.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account in Logos.NET. It may contain up to 24 characters. This value is the full account number <number-sequence>. If this column is selected for the report, the AccountNumber and AccountNumberSequence columns should not be used.
AccountNumber	This value displays the account number without the sequence number appended. It may contain up to 20 characters. If this and the AccountNumberSequence column are selected for the report, the UtilityAccountNumber column should not be used.
AccountNumberSequence	This value displays the sequence number that is appended to that account number to show which owner is currently active on the account. For example when the first owner (-001) moves out, that sequence is inactivated. When the new owner moves in, sequence -002 would be appended to the account number. If this and the AccountNumber column are selected for the report, the UtilityAccountNumber column should not be used.
BillingProfileCode	This value displays the code for the billing profile assigned to the account. It can contain up to 16 characters.
BillingProfileDescription	This value contains a description of the billing profile. It can contain up to 32 characters.
BillingFrequency	This value displays how often the account is billed (e.g., monthly, quarterly, etc.). It can contain up to 32 characters.
AccountType	This value displays the type this account is categorized as (e.g., residential). It can contain up to 32 characters.

Table 3.4 Utility Accounts

Column	Description
AccountTypeDescription	This value shows more details about the account type. It can contain up to 128 characters.
AccountClass	This value will display a class defined by the organization if the account has been assigned to a class. The AccountClass is a sub type of the AccountType (e.g, if the AccountType is Residential, the AccountClass could be Single Family or Multi-Family.
AccountClassDescription	This value shows details about the sub type of this account type. It can contain up to 128 characters.
NumberofUnits	This value indicates the number of billable units on the account. This is typically the number of dwelling units in a multi-family dwelling that is single-metered. An Equivalent Dwelling Unit (EDU) or Equivalent Residential Unit (ERU) value could also be entered here.
AccountStatus	This value shows the current status on the account. The options are Active, Inactive, New, and Move In.
MoveInDate	This value is the date and time stamp that the move in for the current customer was completed on this account.
MoveOutDate	This value is the date and time stamp that the move out for the most recent customer was completed on this account. There will be a value only if the account is inactive.
GLAccountProfileCode	This value displays the code for the G/L account profile assigned to the account. It can contain up to 16 characters.
GLAccountProfileDescription	This value contains a description of the G/L account profile. It can contain up to 32 characters.
TaxExceptionCode	This value displays the code for the tax exception assigned to the account. It can contain up to 16 characters.
TaxExceptionDescription	This value contains a description of the tax exception. It can contain up to 32 characters.
SeasonalAverages	This value indicates the account's use of, or exemption from, seasonal averaging. The options are Yes, No, and Exempt.
FullServiceAddress	This value is the full street address where service is provided.
ServiceCity	This value displays the service address city.
ServiceState	This value displays the service address state.
ServiceZipCode	This value displays the service address Zip code.
PrimaryAccountHolderName	This value is the full name of the primary customer on the account. It is a concatenation of the *Last Name/Business Name*, *First Name*, and *Middle Name* fields for the primary customer. It may contain up to 125 characters.
BillDeliveryMethod	This value displays the means by which the customer will receive their utility bill. The options are Paper, eBill, and Both.
eBillStatus	The status of eBills on this account. The options are Not Available, Active, or Inactive.
BillingAddressLIne1	This value displays the first line of the mailing address for the primary bill. This field considers the certified address if one is available.

Table 3.4 Utility Accounts

Column	Description
BillingAddressLIne2	This value displays the second line of the mailing address for the primary bill. This field considers the certified address if one is available.
BillingAddressLIne3	This value displays the third line of the mailing address for the primary bill. This field considers the certified address if one is available.
BillingCity	This value displays the mailing address city for the primary bill. This field will consider the certified address if one is available. This field considers the certified address if one is available.
BillingState	This value displays the mailing address state for the primary bill. This field will consider the certified address if one is available.
BillingZipCode	This value displays the mailing address Zip code for the primary bill. This field considers the certified address if one is available.
DelinquencyGroup	If used, this value displays the name that your organization uses to group penalty and interest charges.
PriorSystemAccountNumber	If this account was converted into the Logos.NET system, this value is the account number that previously identified the account.

Utility Associated Customers

This view returns details of both current and historic customers and addresses associated to an account, with special emphasis on the primary and the owner. It includes the mailing address and bill/notice routing information. It also includes extensive contact information, while treating private information (Driver's license and SSN) very sensitively. This view also includes a simple link to accounts.

Table 3.5 Utility Associated Customers

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *Utility-Accounts* view to get more information about the account.
CentralNameLink	This value provides the ID that links this row to a corresponding row in the Central-Name table to get more information about the account customer.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the full utility account number <number-sequence> in Logos.NET. It may contain up to 24 characters.
CustomerName	This value displays the associated customer's full name, first name first.
FormalCustomerName	This value displays the associated customer's full name, last name first. If the name is a business name, the name is displayed the same as in the Customer-Name column.
LastName	This value displays the associated customer's last name. If the name is a business name, that name is displayed in this field, and no information will be displayed in the FirstName and MiddleName columns.
FirstName	This value displays the associated customer's first name.
MiddleName	This value displays the associated customer's middle name.
NameSuffix	This value displays the associated customer's name suffix (e.g., Jr., III, etc.).

Table 3.5 Utility Associated Customers

Column	Description
PrimaryOnAccount	This Yes/No value indicates whether this associated customer is also the primary customer on the account.
OwnerOnAccount	This Yes/No value indicates whether this associated customer is also the owner on the account.
Relationship	This value displays the associated customer's relationship (e.g., tenant, roommate, etc.) to the person named on the account.
CurrentCustomerAssociation	This Yes/No value indicates whether the associated customer is still active on the account.
CustomerAccountBeginDate	This value displays the date and time stamp that identifies when the customer was first associated to the account.
CustomerAccountEndDate	This value displays the date and time stamp that identifies when the customer's associated to the account ended.
SSN	If the customer's Social Security Number is provided, the last four numbers will be displayed. The other digits will be represented by "x" for security.
DriverLicenseNoLastFourDigits	If the customer's driver's licence number is provided, the last four numbers will be displayed.
HomePhone	This value displays the associated customer's home phone number. This is the primary phone number from the Central Name record.
AssociatedAddressLineOne	This value displays the first line of the associated customer's street address. This field considers the certified address if one is available.
AssociatedAddressLineTwo	This value displays the second line of the associated customer's street address.This field considers the certified address if one is available.
AssociatedAddressLineThree	This value displays the third line of the associated customer's street address.This field considers the certified address if one is available.
AssociatedCity	This value displays the associated customer's city.This field considers the certified address if one is available.
AssociatedState	This value displays the associated customer's state.This field considers the certified address if one is available.
AssociatedZip	This value displays the associated customer's Zip code.This field considers the certified address if one is available.
BillDeliveryMethod	This value displays the means by which the customer will receive their utility bill. The options are Paper, eBill, and Both.
eBillStatus	The status of eBills on this account. The options are Not Available, Active, or Inactive.
SendBill	This Yes/No flag indicates whether this associated customer should receive a bill.
PrimaryBill	This Yes/No flag indicates whether this associated customer should receive the primary bill.
SendNotice	This Yes/No flag indicates whether this associated customer should receive a copy of any notice generated for the account.
PrimaryNotice	This Yes/No flag indicates whether this associated customer should receive the primary notice.
PullBill	This Yes/No flag indicates whether this associated customer's bill should be pulled from the natural sort order and moved to the front.

Table 3.5 Utility Associated Customers

Column	Description
PullGroup	If the associated customer's bill is pulled, this value indicates the group of pulled bills that it belongs with (e.g., City Clerk's Office, Public Works Building, etc.).
PullGroupSequence	Within the pulled bill group that the associated customer's bill belongs to, the sequence in which this customer's bill should appear in the batch.
ExemptFromShutOff	This Yes/No flag indicates whether this associated customer is exempt from being shut-off for non-payment.
CellPhone	This value displays the associated customer's cell phone number.
WorkPhone	This value displays the associated customer's work phone number.
FaxPhone	This value displays the associated customer's fax number.
EmailAddress	This value displays the associated customer's e-mail address.
Employer	This value displays the name of the associated customer's employer. It may contain up to 50 characters.
Title	The value is the associated customer's job title with their employer. It may contain up to 32 characters.
EmployerAddressLineOne	This value displays the first line of the employer's street address.
EmployerAddressLineTwo	This value displays the second line of the employer's street address.
EmployerAddressLineThree	This value displays the third line of the employer's street address.
EmployerCity	This value displays the employer's city.
EmployerState	This value displays the employer's state.
EmployerZip	This value displays the employer's Zip code.

Utility Balance

This view returns the current account balance, the current arrears amount, and whether the account is on a budget billing or payment plan. The view also includes a link to the utility account and the service address.

Table 3.6 Utility Balance

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *Utility-Accounts* view to get more information about the account.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *Utility-ServiceAddress* view to get more information about the service address.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account in Logos.NET. It may contain up to 24 characters.
AccountBalance	This value displays the true total balance currently on the account.
ArrearsBalance	This value displays the amount of the true total balance that is past its due date.

Table 3.6 Utility Balance

Column	Description
BudgetBillingActive	This Yes/No value indicates whether the account currently has an active budget billing plan.
PaymentPlanActive	This Yes/No value indicates whether the account currently has an active payment plan.

Utility Meter Consumption

The Meter Consumption view returns any reads/consumptions used for billing; it does not include failed reads or initial reads. It includes the measurement the read is for, since a service meter can track multiple measurements (e.g., compound water meter or electric meter). This view includes links to Accounts, Service Meters, Billing Period, Exception Bill, Measurement Type, and Service Meter Consumption information.

Measurement Type and Measurement Group values are key to getting meaningful results using this view, particularly with respect to reporting on electric consumption. Measurement Group separates "apples from oranges" with respect to how consumption is obtained (e.g., Demand vs. Consumption); one Measurement Group should be selected for meaningful results. Measurement Group is not important for water-only accounts.

Measurement Type distinguishes between ways of measuring consumption (types of "apples") within the Measurement Group (e.g., peak and off-peak usage). While only one Measurement Group should be selected, Measurement Types can be reviewed together or separately: together presents a picture of total consumption, and separately to get a picture of the usage and price differences. For water consumption, Measurement Type is relevant only for compound meters.

NOTE:

If your organization tracks multiple services in Logos.NET or uses compound meters, information from this view will return a mixture of readings.

Table 3.7 Utility Meter Consumption

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *Utility-Accounts* view to get more information about the account.
ServiceMeterLink	This value provides the ID that links this row to a corresponding row in the *Utility-ServiceMetersActive* view to get more information about the meter.
BillingPeriodLink	This value provides the ID that links this row to a corresponding row in any other view with the BillingPeriodLink or tables with BillingCycleId to get more information about the billing period.
ExceptionBillLink	This value provides the ID that links this row to a corresponding row in any other view with the ExceptionBillLink or tables with ExceptionBillId to get more information about the exception bill.

Table 3.7 Utility Meter Consumption

Column	Description
TypeOfMeasurementLink	This value provides the ID that links this row to a corresponding row in any other view with the TypeofMeasurementLink or tables with MeasurementTypeId to get more information about the measurement type.
ServiceMeterConsumptionLink	This value provides the ID that links this row to a corresponding row in the *UtilityMeterConsumption* view to get more information about the consumption.
MeterNumber	This value indicates the number that uniquely identifies the meter. It may contain up to 32 characters.
PendingRead	This Yes/No value indicates whether the read has been collected.
BeginMeterReadDate	This value shows the date and time stamp of the previous meter read.
EndMeterReadDate	This value shows the date and time stamp of the current meter read.
PriorReadType	This value indicates how the previous read was obtained (e.g., Actual, Estimate).
CurrentReadType	This value indicates how the current read was obtained (e.g., Actual, Estimate).
MeasurementType	This value displays the measurement type within the category to which the consumption belongs (e.g., electric reading, water reading). The measurement type is used for meters that record multiple measurements, such as compound and some electric meters. It indicates which measurement this reading is for and has a close relationship to the unit of measure.
MeasurementGroup	This value displays the measurement group within the type to which the consumption belongs. Type groups are demand consumption, electric consumption, electric efficiency, electric power, gas consumption, water consumption. In some instances, the user may wish to see all consumption in the group to get an understanding of total consumption. In other instances, it may be useful to see a breakdown of consumptions by their specific rates; selecting a measurement type will show a particular subset of the measurement group. See the table at the end of this section for a display of the relationship between measurement type and measurement group.
UnitOfMeasure	This value displays the name of the units used to record the measurement (e.g., Gallons).
ServiceType	This value displays the name of the service being provided (e.g., Electric, Water, etc.). It can contain up to 8 characters.
BeginMeasurementValue	For measurement types other than Demand, this value will display the measurement recorded for the previous meter read.
EndMeasurementValue	This value will display the measurement recorded for the current meter read.
RollOverRead	This Yes/No value indicates whether the read resulted in a rollover.
ActualConsumption	This value is the difference considering rollovers for consumption. It is used for demand. When actual consumption is returned for a master meter, it automatically subtracts the actual consumption from the child meters so hat aggregating consumption on reports does not double-count the consumption. For real actual consumption for a master meter, subtract the ChildMeterActualConsumptionAdjustment value from the ActualConsumption.
FactoredConsumption	This value is the actual consumption with read adjustments and factors applied.
BilledConsumption	This value is the factored consumption minus consumption on child meters that have pending reads but no consumption calculation.
AdjustedBilledConsumption	This value is the billed consumption, with consideration for any historic meter adjustments for malfunctions. It is a correction made after the read has occurred.

Table 3.7 Utility Meter Consumption

Column	Description
AdjustedActualConsumption	This value is the actual consumption, with consideration for any historic meter adjustments for malfunctions. It is a correction made after the read has occurred.
Adjustment	If any adjustment is applied to the read when it is entered, that value is displayed here. This value may contain up to 9 digits. This option is rarely used.
Factor	If any factor is applied to the read when it is entered, that value is displayed here. This value can contain up to 5 digits and is carried out to 5 decimal places. This option is rarely used.
UnitOfMeasureMultiplier	If the consumption and the rate use different units, the value that converts one to the other will display here.
ServiceMultiplier	This value will display the service multiplier; a value of 1.00000 is the default, indicating that no multiplier is used. The multiplier may contain 5 digits and is carried out to 5 decimal places. This is typically an electric multiplier that applies to this specific account only.
PressureFactorApplies	This Yes/No value indicates whether the pressure factor applies to the metered consumption. This applies to gas meters only.
PressureFactor	If a pressure factor is being applied to the meter, the factor value will display here. It may contain 5 digits and is carried out to 5 decimal places. This applies to gas meters only.
TemperatureFactorApplies	This Yes/No value indicates whether the temperature factor applies to the metered consumption. This applies to gas meters only.
TemperatureFactor	If a temperature factor is being applied to the meter, the factor value will display here. It may contain 5 digits and is carried out to 5 decimal places. This applies to gas meters only.
BTUFactorApplies	This Yes/No value indicates whether the BTU factor applies to the metered consumption. This applies to gas meters only.
BTUFactor	If a BTU factor is being applied to the meter, the factor value will display here. It may contain 5 digits and is carried out to 5 decimal places. This applies to gas meters only.
SuperCompressibilityFactorApplies	This Yes/No value indicates whether the super compressibility factor applies to the metered consumption. This applies to gas meters only.
SuperCompressibilityFactor	If a super compressibility factor is being applied to the meter, the factor value will display here. It may contain 5 digits and is carried out to 5 decimal places. This applies to gas meters only.
ChildMeterBilledConsumptionAdjustment	If master meters are used, this value displays the billed consumption adjustment to consider the child meters. It may contain 11 digits and is carried out to 7 decimal places.
ChildMeterActualConsumptionAdjustment	If master meters are used, this value displays the actual consumption adjustment to consider the child meters. It may contain 11 digits and is carried out to 7 decimal places. This value can be used to determine the real actual consumption that ran through a msater meter, instead of the consumption adjusted by the children.
NumberOfDigits	This value displays the number of digits used to record consumption for this meter.
DecimalPlaces	This value displays the number of decimal places used to record consumption for this meter.
SeasonalAverageConsumption	This value displays the billed consumption overwritten by any sewer averaging that was applied.

Table 3.7 Utility Meter Consumption

Column	Description
SeasonalAverageCalculationMethod	This value displays the name of the method used to calculate the seasonal average consumption. The options are Conversion, Seasonal Average Manually Overridden, Averaged Seasonal Consumption, Lowst Seasonal Consumption, Default Seasonal Consumption, Seasonal Consumption Overridden by Maximum, Actual Consumption Was Less Than Seasonal Consumption, Seasonal Consumption Was Overridden by Minimum, an Actual Consumption Was Less Than Seasonal Override.
ActualDemand	If the rate is considering actual demand, this is the recorded value. It may contain up to 11 digits and is carried out to 7 decimal places. This applies to electic meters only.
ContractDemand	If the rate is considering contract demand, this is the recorded value. It may contain up to 11 digits and is carried out to 7 decimal places. This applies to electic meters only.
PowerFactorAdjustedDemand	If the rate is considering power factor adjusted demand, this is the recorded value. It may contain up to 11 digits and is carried out to 7 decimal places. This applies to electic meters only.
RatchetDemand	If the rate is considering ratchet demand, this is the recorded value. It may contain up to 11 digits and is carried out to 7 decimal places. This applies to electic meters only.
BilledDemand	This value is the greatest value of the demand types (contract, power factor, actual, or ratchet). This applies to electic meters only.
BillType	This value is the kind of bill created (e.g., cycle, move out, billing item, out of cycle).
BillDate	This value displays the transaction date and time stamp for the bill.
BillingProfileCode	This value displays the code that uniquely identifies the billing profile. It may contain up to 16 characters.
BillingProfileDescription	This value contains details that further describe the billing profile. It may contain up to 32 characters.

Measurement Type and Measurement Group Table

Measurement Type Description	Measurement Group	Consumption Type	Service Type	Seq.
Water Consumption	Water Consumption	Read	Water	1
Water Consumption Dial 2	Water Consumption	Read	Water	2
Water Consumption Dial 3	Water Consumption	Read	Water	3
Gas Consumption	Gas Consumption	Read	Gas	4
Electric Consumption	Electric Consumption	Read	Electric	5
Electric Consumption (TOU 1)	Electric Consumption	Read	Electric	6
Electric Consumption (TOU 2)	Electric Consumption	Read	Electric	7
Electric Consumption (TOU 3)	Electric Consumption	Read	Electric	8
Demand	Electric Demand	Peak	Electric	9
Demand (TOU 1)	Electric Demand	Peak	Electric	10
Demand (TOU 2)	Electric Demand	Peak	Electric	11
Demand (TOU 3)	Electric Demand	Peak	Electric	12
Reactive Power	Electric Power	Peak	Electric	13
Power Factor	Electric Efficiency	Peak	Electric	14

Utility Non-Meter Consumption

This view returns all consumptions for consumption-based non-metered units. It presents a picture of non-metered usage over time. It includes a link to accounts, non-metered consumption, service addresses, and exception bill transactions.

Table 3.8 Utility Non-Meter Consumption

Column	Description
NonMeterUnitLink	This value provides the ID that links this row to a corresponding row in the *UtiilityAccountNonMeterUnits* view to get more information about the non-metered unit.
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccounts* view to get more information about the account.
NonMeterConsumptionLink	This value provides the ID that links this row to a corresponding row in the *UtilityNonMeterConsumption* view to get more information about the non-metered consumption.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *UtilityServiceAddress* view to get more information about the service address.
ExceptionBillLink	This value provides the ID that links this row to a corresponding row in any other view with the ExceptionBillLink or tables with ExceptionBillId to get more information about the exception bill.
NonMeterUnitCode	This value displays the code that uniquely identifies the non-metered unit (e.g., dumpster). It may contain up to 16 characters.
NonMeterUnitDescription	This value contains details that further describe the non-metered unit code (e.g., 50-gallon container). It may contain up to 32 characters.
ConsumptionDate	This value shows the date and time stamp that indicates when the consumption was recorded.

Table 3.8 Utility Non-Meter Consumption

Column	Description
ActualConsumption	This value displays the amount of times the non-metered unit was processed (e.g., if dumpsters were emptied twice in the billing cycle, “2” would display).
UnitQuantity	This value displays the number of units contained in non-metered unit (e.g., if 6 dumpsters were emptied each time, “6” would display).
BilledConsumption	This value is the product of the actual consumption and the unit quantity.
PendingRead	This Yes/No value indicates that the current read is pending and is slated to be used for billing.
ReadRejected	This Yes/No value indicates whether the current read has been rejected and will not be used for billing.
BillType	This value indicates the type of bill (e.g., cycle, move out, billing item, out of cycle) for which the consumption was collected.
BillingDate	This value shows the date and time stamp that indicates when then account was billed.
BillingProfileCode	This value displays the code that uniquely identifies the billing profile. It may contain up to 16 characters.
BillingProfileDescription	This value contains details that further describe the billing profile. It may contain up to 32 characters.

Utility Service Address

This view provides the details of the addresses serviced by the Utility. It is the table of central service addresses. The view includes the address both concatenated and separated, as well as carrier route, delivery point, CASS certification, and parcel number.

Table 3.9 Utility Service Address

Column	Description
ServiceAddressLink	This value provides the ID that links other views to a corresponding row in the *UtiltyServiceAddress* view to get more information about the service address.
FullServiceAddress	This value shows the complete street address where service is provided, including the apartment number (if applicable). It can contain up to 144 characters.
FullServiceAddressWOApt	This value shows the complete street address where service is provided, but does not include the apartment number. It can contain up to 111 characters.
HouseNumber	This value shows the address number where service is provided.
StreetPrefix	This value shows a street prefix (e.g., South), if applicable. It can contain up to 3 characters.
StreetPreType	This value shows a secondary street prefix, if applicable. It can contain up to 10 characters.
StreetName	This value shows the name of the street where service is provided. It can contain up to 50 characters.
StreetType	This value shows the type of street (e.g., Road, Drive, etc.), if it is included as part of the street name. It can contain up to 10 characters.

Table 3.9 Utility Service Address

Column	Description
StreetSuffix	This value shows the street suffix (e.g., East), if it is included as part of the street name. It can contain up to 3 characters.
Apt	This value shows the apartment number, if applicable. It can contain up to 32 characters.
City	This value shows the city where the service address is located. It can contain up to 32 characters.
State	This value shows the service address state. It can contain up to 32 characters.
ZipCode	This value shows the service address Zip code. It can contain up to 10 characters.
AdditionalInfo	This value will display any additional details that were entered about the service address. It can contain up to 32 characters.
ServiceCarrierRoute	This value shows the route number of the postal carrier who will deliver bills to this service address. It can contain up to 4 characters.
DeliveryPoint	This value shows the postal delivery point for delivering bills to this service address. It can contain up to 9 characters.
ParcelNumber	This value displays the number that uniquely identifies the parcel of land where the service address is located. **NOTE:** *This number should display in queries and reports whether it is entered from Utility Management or Community Development.*
CertifiedAddressLineOne	This value displays the first line of the certified street address. It can contain up to 150 characters.
CertifiedAddressLineTwo	This value displays the second line of the certified street address. It can contain up to 32 characters and will be blank in most cases.
CertifiedCity	This value shows the certified address city. It can contain up to 32 characters.
CertifiedState	This value shows the certified address state. It can contain up to 32 characters.
CertifiedZipCode	This value shows the certified address Zip code. It can contain up to 10 characters.
CertifiedCarrierRoute	This value shows the route number of the postal carrier for the certified address. It can contain up to 4 characters.
CertifiedDeliveryPoint	This value shows the postal delivery point for the certified address. It can contain up to 30 characters.
CassCertifiedDate	This value will display the date and time stamp that the service address received CASS certification, if applicable.

Utility Service Meters Active

This view returns information about meters attached to an active service that is attached to an active account. Each row represents a logical meter dial measurement. It provides links to service meter, service address, account, account service, meter device, head device, remote device, and interface device information. It does not include meters that are installed at a property but are not measuring any consumption.

NOTE:

If a meter is associated with more than one service (e.g., water and sewer), it will appear once in the table for each service with which it is associated.

Table 3.10 Utility Service Meters Active

Column	Description
ServiceMeterLink	This value provides the ID that links other views to a corresponding row in the *UtilityServiceMetersActive* view to get more information about the meter.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *UtilityServiceAddress* view to get more information about the service address.
UtilityAccountLInk	This value provides the ID that links this row to a corresponding row in the *UtilityAccounts* view to get more information about the account.
UtilityAccountServiceLink	This value provides the ID that links this row to a corresponding row in the *UtilityServices* view to get more information about the service.
MeterDeviceLink	This value provides the ID that links this row to any other view with MeterDeviceLink or tables with PartId to get more information about the meter device.
HeadDeviceLink	This value provides the ID that links this row to any other view with HeadDeviceLink or tables with PartId to get more information about the head device.
RemoteDeviceLink	This value provides the ID that links this row to any other view with RemoteDeviceLink or tables with PartId to get more information about the remote device.
InterfaceDeviceLink	This value provides the ID that links this row to any other view with InterfaceDeviceLink or tables with PartId to get more information about the interface device.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account in Logos.NET. It may contain up to 24 characters.
ServiceCode	This alpha-numeric value uniquely identifies the service (e.g., Water) in Logos.NET. It may contain up to 16 characters.
ServiceStatus	This value displays the current status of the service (e.g., Active). The service status may be different from the meter status. It may contain up to 32 characters.
MeterNumber	This value indicates the number that uniquely identifies the meter. It may contain up to 32 characters.
MeterTypeCode	This value displays the code that uniquely identifies the meter type. It can contain up to 16 characters.
MeterTypeDescription	This value contains a description of the meter type. It can contain up to 32 characters.
MeterSize	This value displays the size of the pipe connected to the meter.
CurrentlyBillable	This Yes or No value indicates whether this account would bill if you ran bills today. A Yes value indicates that the meter is attached to an active service on an active account, and has an active rate attached to it.
ServiceMeterStartDate	This date and time stamp indicates when the meter was attached to the account.
ServiceMeterEndDate	This date and time stamp indicates when the meter was removed from the account. Since this view is for active meters only, this option will contain a value only if the end date is in the future.

Table 3.10 Utility Service Meters Active

Column	Description
HeadModuleNumber	If the meter configuration includes a head, the identification number of the device will display.
HeadModuleTypeCode	This value displays the code that uniquely identifies the head module. It can contain up to 16 characters.
HeadModuleTypeDescription	This value contains a description of the head module. It can contain up to 64 characters.
RemoteNumber	If the meter configuration includes a remote, the identification number of the device will display.
RemoteTypeCode	This value displays the code that uniquely identifies the remote. It can contain up to 16 characters.
RemoteTypeDescription	This value contains a description of the remote. It can contain up to 64 characters.
InterfaceNumber	If the meter configuration includes an interface, the identification number of the device will display.
InterfaceTypeCode	This value displays the code that uniquely identifies the interface. It can contain up to 16 characters.
InterfaceTypeDescription	This value contains a description of the interface. It can contain up to 64 characters.
ServiceMeterReaderNote	This value displays notes entered on the meter for the benefit of the meter reader. It may contain up to 64 characters.
ServiceMeterWarningMessage	This value displays warnings entered on the meter for the benefit of the meter reader (e.g., Beware of dog). It may contain up to 256 characters.
MeterLocation	This value explains where the meter is physically located at the service address. It may contain up to 32 characters.
MeterLocationDescription	This value provides more details about the location of the meter. It may contain up to 256 characters.
HeadModuleLocation	This value explains where the head is physically located at the service address. It may contain up to 32 characters. If this device is not being tracked, there will be no value defined.
HeadModuleLocationDescription	This value provides more details about the location of the head. It may contain up to 256 characters. If this device is not being tracked, there will be no value defined.
RemoteLocation	This value explains where the remote is physically located at the service address. It may contain up to 32 characters. If this device is not being tracked, there will be no value defined.
RemoteLocationDescription	This value provides more details about the location of the remote. It may contain up to 256 characters. If this device is not being tracked, there will be no value defined.
InterfaceLocation	This value explains where the interface is physically located at the service address. It may contain up to 32 characters. If this device is not being tracked, there will be no value defined.
IntefaceLocationDescription	This value provides more details about the location of the interface. It may contain up to 256 characters. If this device is not being tracked, there will be no value defined.
OverrideLocation	This value will display an override to the location of the meter, if applicable. It may contain up to 32 characters.

Table 3.10 Utility Service Meters Active

Column	Description
MeasurementCategory	This value displays the category of measurement to which the consumption belongs: demand, which is a standalone measure; or consumption, which is determined by comparing the value to the previous billing cycle's value. This value is not displayed in the software.
MeasurementType	This value displays the measurement type within the category to which the consumption belongs (e.g., electric reading, water reading).
MeasurementGroup	This value displays the measurement group within the type to which the consumption belongs (e.g., electric consumption, demand consumption).
ServiceType	This value displays the type of service that the meter measures (e.g., Water). It may contain up to 8 characters.
UnitOfMeasure	This value displays the name of the units used to record the measurement (e.g., Gallons).
UnitOfMeasureMultiplier	If the consumption and the rate use different units, the value that converts one to the other will display here. This is used only for electric, gas, and water services.
ServiceMultiplier	This value will display the service multiplier; a value of 1.00000 is the default, indicating that no multiplier is used. The multiplier may contain 5 digits and is carried out to 5 decimal places. The service multiplier is typically a conversion that applies to a specific account only. It is used for deduction meters and large electric.
NumberOfDigits	This value displays the number of digits used to record consumption for this meter.
DecimalPlaces	This value displays the number of decimal places used to record consumption for this meter.
ReadTruncationDigits	This value indicates the number of digits on the read that should be truncated when consumption is tracked in a volume that the AMR cannot consistently use to deliver reads.
AMRDeviceCode	This value displays the code used to identify the meter to the AMR if the full meter number is too long. It can contain up to15 characters.
AMRDeviceNumber	This value identifies displays the number that identifies the AMR device that will collect the read from the meter.
AMRTestCircle	This value indicates the test circle and read technology of the meter to which the AMR device is attached. It may contain up to 15 characters. The test circle value helps set a consistent unit of measure.
AMRCommunicationIdentifier	This value displays details provided to the AMR about the protocol and frequency of reads. It may contain up to 32 characters.
NEMACode	If the meter is an electric meter, this value displays the code assigned to it by the National Electric Manufacturer's Association. It may contain up to 32 characters.
GasPressureFactorApplies	This Yes/No value indicates whether the gas pressure factor applies to the meter.
BTUApplies	This Yes/No value indicates whether the BTU factor applies to the meter.
TemperatureFactorApplies	This Yes/No value indicates whether the temperature factor applies to the meter.
SuperCompressiblityFactorApplies	This Yes/No value indicates whether the super compressibility factor applies to the meter.
OverridesExist	This Yes/No value indicates whether overrides have been set up on the meter.
PendingActualConsumption	This value is the pending consumption recorded but not yet used in billing calculations. It may contain 9 digits and is carried out to 2 decimal places.

Table 3.10 Utility Service Meters Active

Column	Description
PendingBilledConsumption	This is the pending billed consumption, the product of the quantity override and the default usage. It may contain 19 digits and is carried out to 4 decimal places.
RouteLevel1Code	This value shows the code that identifies the Route Level 1 value for the route this account belongs to. It can contain up to 32 characters.
RouteLevel2Code	This value shows the code that identifies the Route Level 2 value (if defined) for the route this account belongs to. It can contain up to 32 characters.
RouteLevel3Code	This value shows the code that identifies the Route Level 3 value (if defined) for the route this account belongs to. It can contain up to 32 characters.
FullRoute	This value displays all route level codes, in order, to which the account belongs.
RouteLevel1Description	This value contains a description of the first route level. It can contain up to 128 characters.
RouteLevel2Description	This value contains a description of the second route level. It can contain up to 128 characters.
RouteLevel3Description	This value contains a description of the third route level. It can contain up to 128 characters.
BillingProfileCode	This value displays the code for the billing profile assigned to the account. It can contain up to 16 characters.
BillingProfileDescription	This value contains a description of the billing profile. It can contain up to 32 characters.

Utility Services

The Services view returns all account services, both active and historic. It provides links to account and account service information.

Table 3.11 Utility Services

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *Utility-Accounts* view to get more information about the account.
UtilityAccountServiceLink	This value provides the ID that links this row to a corresponding row in the *Utility-Services* view to get more information about the service.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account in Logos.NET. It may contain up to 24 characters.
ServiceCode	This alpha-numeric value uniquely identifies the service (e.g., Water) in Logos.NET. It may contain up to 16 characters.
ServiceDescription	This value provides more details to describe the *ServiceCode*. It may contain up to 32 characters.
ServiceClassCode	This value uniquely identifies the service class (e.g., Water & Sewer) in Logos.NET. It may contain up to 16 characters.
ServiceClassDescription	This value provides more details to describe the *ServiceClassCode*. It may contain up to 32 characters.

Table 3.11 Utility Services

Column	Description
CurrentlyBillable	This Yes/No value indicates whether this account would bill if you ran bills today. A Yes value indicates that the service is active on an active acccount, and the service has an meter or non-metered unit with an active rate associated to it.
ServiceStatus	This value shows the current status (e.g., Active) of the service on the account.
ServiceStartDate	This value displays the date and time stamp for when the service was started on the account.
ServiceEndDate	If the service has been ended for an account, this column will display the date and time stamp that indicates when it was ended.
NumberofUnitsOverride	If the service overrides the number of units defined on the account, this column will display that value.
HeatingDegreeDays	This Yes/No value indicates whether the service is configured to use heating degree days. This applies only to electric and gas services.
CoolingDegreeDays	This Yes/No value indicates whether the service is configured to use cooling degree days. This applies only to electric services.
ContractDemand	This applies only to electric services.
OverrideSeasonalAverageConsumption	If a meter on the service uses a step-type rate component that has Seasonal Averaging selected, any consumption override defined for the service will display.
OverrideSeasonalAverageCyclesLeft	If a meter on the service uses a step-type rate component that has Seasonal Averaging selected, any number of cycles override defined for the service will display.
ServiceIsMetered	This Yes/No value indicates whether the consumption of this service is measured with a meter.
ServiceIsActive	This Yes/No value indicates whether the service is currently active.
RequiresMeter	This Yes/No value indicates whether a meter is required to record consumption for this service.

Utility Transaction Detail

This view returns transaction information at the detail/charge category level. Since voided payments have no charge category breakdown, they are not included in this view. This view provides links to accounts, service addresses, billing periods, exception bills, adjustments, and aggregates created from adjustments. Bills and exception bills are presented together but can be identified by sub type. Important dates in the billing cycle are also included.

Table 3.12 Utility Transaction Detail

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccounts* view to get more information about the account.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *UtilityServiceAddress* view to get more information about the address.
BillingPeriodLink	This value provides the ID that links this row to a corresponding row in any other view with the BillingPeriodLink or tables with BillingCycleId to get more information about the billing period.

Table 3.12 Utility Transaction Detail

Column	Description
ExceptionBillLink	This value provides the ID that links this row to a corresponding row in any other view with the ExceptionBillLink or tables with ExceptionBillId to get more information about the exception bill.
AdjustmentLink	This value provides the ID that links this row to a corresponding row in any other view with the AdjustmentLink or tables with AdjustmentHeaderID to get more information about the adjustment.
AggregateCreatedFromAdjustmentLink	This value provides the ID that links this row to a corresponding row in any other view with the AdjustmentLink or tables with AdjustmentHeaderID to get more information about aggregates created from an adjustment. For an aggregate account, a parent and a child exist, so there are two adjustments linked together. If we move $10 from the child to the parent, the child gets a -$10 adjustment, and the parent gets a $10 adjustment.
TransactionType	This value shows the transaction type name. The options are Bill, Payment, Adjustment, Overpayment, and Penalty.
TransactionSubType	The transaction sub type gives more information on how the transaction type was created. The options are CycleBill, Out of Cycle Bill, Move Out Bill, Billing Item Bill, Penalty Run #, Bill Raise, Bill Lower, Payment Raise, Payment Lower, Refund, Bad Debt, Waive Penalty, Overpayment, Transfer, Cash, Check, Charge, Other, Bank Draft, Apply Overpayment, Deposit Refund, Payment Assistance, Overpayment Relief, Overpayment Applied, Overpayment Remaining, and Unknown.
ChargeCategoryCode	This value uniquely identifies the charge category in Logos.NET. It may contain up to 16 characters.
ChargeCategoryDescription	This value provides more details to describe the *ChargeCategoryCode*. It may contain up to 32 characters.
TransactionDate	This value shows a date and time stamp that indicates when the transaction was created.
TransactionAmount	This value indicates the dollar amount of the transaction for all transaction types except overpayments. The value will be negative for Bill Lower, Payment Lower, and Overpayment adjustments, as well as payment transactions. Positives will raise the value, and negatives will lower the value. It can contain 15 digits and is carried out to 2 decimal places.
PostDate	This value displays the date and time stamp that indicates when the transaction was posted.
BillingDate	For a transaction type of Bill, this is the date and time stamp for when the bill was created.
BillFromDate	For a transaction type of Bill, this value shows the first date of the billing period.
BillThruDate	For a transaction type of Bill, this value shows the ending date of the billing period.
BillPenaltyDate	For a transaction type of Bill, this value shows the date and time stamp on which the bill amount will be penalized if it is not paid.
BillPrintDate	For a transaction type of Bill, this value shows the date and time stamp for when the bill was printed.
AdjustmentReason	If the transaction type is Adjustment, this value shows the reason the adjustment was created. It may contain up to 32 characters.
AdjustmentDescription	If the transaction type is Adjustment, this value shows additional description. It may contain up to 64 characters.
AdjustmentEntryUser	This value shows the name of the user who entered the adjustment.

Table 3.12 Utility Transaction Detail

Column	Description
AdjustmentEntryDate	This value shows the date and time stamp for when the adjustment was entered.
ReceiptTransactionID	This value uniquely identifies the receipt associated to this transaction. This value links to Financial Management views that also contain ReceiptTransactionID.

Utility Transactions Summary

The Transactions Summary view returns transaction information at the summary level, not the charge category level; see Utility Transaction Detail for the charge category view. This view provides links to accounts, service addresses, billing periods, exception bills, adjustments, and aggregates created from adjustments. It includes overpayment relief as separate transactions using a different column so they can be summed separately. Bills and exception bills are presented together but can be identified by sub type. Important dates in the billing cycle are also included.

A note about overpayment relief: overpayment relief does not result in a change to the running balance; money is moved at the accounting level only, not on the account. Normally, you will want to exclude overpayment information when looking at transactions and balances.

Table 3.13 Utility Transactions Summary

Column	Description
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *Utility-Accounts* view to get more information about the account.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *Utility-ServiceAddress* view to get more information about the service adddress.
BillingPeriodLink	This value provides the ID that links this row to a corresponding row in any other view with the BillingPeriodLink or tables with BillingCycleId to get more information about the billing period.
ExceptionBillLink	This value provides the ID that links this row to a corresponding row in any other view with the ExceptionBillLink or tables with ExceptionBillId to get more information about the exception bill.
AdjustmentLink	This value provides the ID that links this row to a corresponding row in any other view with the AdjustmentLink or tables with AdjustmentHeaderID to get more information about the adjustment.
AggregateCreatedFromAdjustmentLink	This value provides the ID that links this row to a corresponding row in any other view with the AdjustmentLink or tables with AdjustmentHeaderID to get more information about aggregates created from an adjustment. For an aggregate account, a parent and a child exist, so there are two adjustments linked together. If we move $10 from the child to the parent, the child gets a -$10 adjustment, and the parent gets a $10 adjustment.
TransactionType	This value shows the transaction type name. The options are Bill, Payment, Adjustment, Overpayment, and Penalty.
TransactionSubType	The transaction sub type gives more information on how the transaction type was created. The options are CycleBill, Out of Cycle Bill, Move Out Bill, Billing Item Bill, Penalty Run #, Bill Raise, Bill Lower, Payment Raise, Payment Lower, Refund, Bad Debt, Waive Penalty, Overpayment, Transfer, Cash, Check, Charge, Other, Bank Draft, Apply Overpayment, Deposit Refund, Payment Assistance, Overpayment Relief, Overpayment Applied, Overpayment Remaining, and Unknown.

Table 3.13 Utility Transactions Summary

Column	Description
TransactionDate	This value shows a date and time stamp that indicates when the transaction was created.
TransactionAmount	This value indicates the dollar amount of the transaction for all transaction types except overpayments. The value will be negative for Bill Lower, Payment Lower, and Overpayment adjustments, as well as payment transactions. It can contain 15 digits and is carried out to 2 decimal places. For more information aboaut overpayment relief, see the text at the beginning of this section.
OverpaymentAppliedAmount	If the transaction type is an overpayment, this value shows the amount of the overpayment. It can contain 15 digits and is carried out to 2 decimal places. For more information aboaut overpayment relief, see the text at the beginning of this section.
PostDate	This value displays the date and time stamp that indicates when the transaction was posted.
BillingDate	For a transaction type of Bill, this is the date and time stamp for when the bill was created.
BillFromDate	For a transaction type of Bill, this value shows the first date of the billing period.
BillThruDate	For a transaction type of Bill, this value shows the ending date of the billing period.
BillPenaltyDate	This value shows the date and time stamp on which the bill amount will be penalized if it is not paid.
BillPrintDate	This value shows the date and time stamp for when the bill was printed.
AdjustmentReason	If the transaction type is Adjustment, this value shows the reason the adjustment was created. It may contain up to 32 characters.
AdjustmentDescription	If the transaction type is Adjustment, this value shows additional description. It may contain up to 64 characters.
AdjustmentEntryUser	This value shows the name of the user who entered the adjustment.
AdjustmentEntryDate	This value shows the date and time stamp for when the adjustment was entered.
PaymentVoided	This Yes/No value indicates whether the payment was voided. **NOTE:** *Voided payments will affect the totals; display this check box so that these payments can be identified. Voided payments are typically excluded.*
ReceiptTransactionID	This value uniquely identifies the receipt associated to this transaction.

Utility Work Orders

The Work Order view returns work order details and provides a link to accounts, service addresses, exception bills, and current and old service meters. It also shows total charges, whether the work order is pending, and service address information.

Table 3.14 Work Orders

Column	Description
WorkOrderLink	This value provides the ID that links other views to a corresponding row in the *UtilityWorkOrders* view to get more information about the work order.
UtilityAccountLink	This value provides the ID that links this row to a corresponding row in the *UtilityAccounts* view to get more information about the account.
ServiceAddressLink	This value provides the ID that links this row to a corresponding row in the *UtilityServiceAddress* view to get more information about the service address.
ExceptionBillLink	This value provides the ID that links this row to a corresponding row in any other view with the ExceptionBillLink or tables with ExceptionBillId to get more information about the exception bill.
ServiceMeterLink	This value provides the ID that links this row to any other view with ServiceMeterLink or to tables with CentralServiceAddressMeterId to get more information about the meter.
OldServiceMeterLink	This value provides the ID that links this row to any other view with ServiceMeterLink or to tables with CentralServiceAddressMeterId to get more information about the previous meter. A meter that is part of a change out will have this filled with the old meter link.
WorkOrderNumber	This value uniquely identifies the work order in Logos.NET. It may contain up to 20 characters.
WorkOrderType	This value displays the type of work that will be performed (e.g., Read Meter). It may contain up to 16 characters.
Activity	This value displays the action that will be perfomed to complete the work order. Activity is a pre-defined list that drives our response and process of the work order. It may contain up to 32 characters.
UtilityAccountNumber	This alpha-numeric value uniquely identifies the utility account in Logos.NET. It may contain up to 24 characters.
Priority	This value indicates the urgency that was assigned to the work order when it was entered. It may contain up to 32 characters.
RequestedBy	This value shows the name of the person who entered the work order. It may contain up to 20 characters.
RequestDate	This value displays the date and time stamp that indicates when the work order was requested.
Comments	This value displays any comments that were entered when the work order was created. It may contain up to 256 characters.
ScheduledDate	This value displays the date and time stamp that indicates when the work order is scheduled to be performed.
AssignedToEmployee	This value displays the name of the employee to whom the work order was assigned.
AssignedDate	This value displays the date and time stamp that indicates when the work order was assigned to the employee.

Table 3.14 Work Orders

Column	Description
Pending	This Yes/No flag indicates whether the work order is completed. Selecting this flag allows the user to separate completed work orders from pending work orders.
WorkCompletionDate	This value displays the date and time stamp that indicates when the work order was completed.
Results	If a result for the work order was selected, this value displays the result (e.g., Completed, Canceled).
CompletedComments	This value displays any comments that were entered about the completion of the work order. It may contain up to 256 characters.
UnableToComplete	This Yes/No flag indicates whether the work order could not be completed but was closed.
MeterNumber	This value displays the number that identifies the meter currently on the account. It may contain up to 32 characters.
OldMeterNumber	If the work order is for a meter exchange, this value displays the number that identified the previous meter. It may contain up to 32 characters.
Printed	This Yes/No flag indicates whether the work order has been printed.
HasCharges	This Yes/No flag indicates whether the charges are associated wtih the work order.
TotalWorkOrderCharges	This value shows the total amount of the charges tied to the work order. It may contain up to 15 digits, and is carried to 4 decimal places.
PrimaryCustomerName	This value displays the full name of the primary customer on the account. It may contain up to 93 characters.
HomePhone	This value displays the home phone number defined on the account. This is the primary phone number from the Central Name record.
ServiceAddress	This value shows the complete street address where service is provided, including the apartment number (if applicable). It may contain up to 144 characters.
ServiceCity	This value shows the city where the service address is located. It can contain up to 32 characters.
ServiceState	This value shows the service address state. It may contain up to 32 characters.
ServiceZip	This value shows the service address Zip code. It may contain up to 10 characters.
ServiceClassCode	This value uniquely identifies the service class in Logos.NET. It may contain up to 16 characters.