# Introduction

The purpose of this document is to list all functionality that has been added, deleted or modified since the last release of ERMA web application.

The document will also include any known software issues or workarounds.

# Release Description

* 1. **Release 1.5.9.2 – June 20, 2019**

### Fixes and Enhancements

* Procurement
	+ Modified Price to Compare calculations to not store zeros if no interval data was available
* Administrative Functions
	+ Added ability to delete unawarded RFQs
	1. **Release 1.5.9.1 – June 11, 2019**

### Fixes and Enhancements

* Procurement
	+ Added support for 15 year electricity bids
	+ Added prompting user to reform gas nominations if a bid package’s Requested Delivery Start Date is modified
* Administrative Functions
	+ Modified EC InfoSystems kickout reports to include account tariffs
	+ Modified Drop Notice scheduled task to also email notice to all equivalent companies’ bidders
* EnergyCAP to ERMA bill transfer
	+ Added a configurable email recipient list
	+ Added optional input of an EnergyCAP batch code
	+ Modified to ignore all “EDI” batches
	+ Fixed the transfer process to only log the first “Error logging in to EnergyCAP API” and immediately stop the background job
	1. **Release 1.5.8 – September 21, 2018**

### Fixes and Enhancements

* Procurement
	+ Added gas nomination chart
	+ Added nomination email templates
	+ Fixed detailed bid display for an aggregate electricity bid when “All” accounts chosen
* Administrative Functions
	+ Fixed creating new agencies
	+ Upgraded company equivalents to include commodity
	+ Fixed Account Financial Information percentage to allow for partial percent’s
	+ Upgraded bid package copying to allow the source RFQ to be the same as the destination RFQ
	+ EnergyCAP integration:
		- Upgraded to use v7 API
		- Added support for integrating with multiple EnergyCAP instances
		- New QA report
	+ EC InfoSystems EDI integration:
		- Upgraded to use FTPS instead of FTP
		- Prevented costly interval requests to PPL and PECO
		- Added auto-redirect to beta server
* Reports
	+ New ERMA page accesses report
* Miscellaneous
	+ Added user guides to a few pages
	1. **Release 1.5.7– June 27, 2018**

### Fixes and Enhancements

* Procurement
	+ New ability to extend previously awarded bid packages
	+ Fixed bug when editing a bid package’s requested delivery start date (also update all calculated Price to Compares’ effective dates)
	+ Fixed bug when downloading bid package’s attachments
	+ Fixed bug when calculating price to compare and only partial months of interval data are available
	+ Fixed formatting of award notices for fixed with pass-through bids
* Administrative Functions
	+ New EDI integration to request historical usage data (usage only bills and/or interval data)
* Reports
	+ New COSTARS revenue report
	+ Merged Procurement Report and COPA Procurement Report
	1. **Release 1.5.6– February 23, 2018**

### Fixes and Enhancements

* Electricity Procurement
	+ New Fixed with Pass-through (i.e. Energy Only) bid type
	+ Fixed deleting of interval data on validation tab
* Natural Gas Procurement
	+ Improved response time of natural gas bid package selection and bid placement
	+ Fixed natural gas markets page to display all available data
	+ Fixed disappearing nomination approver role
* Administrative Functions
	+ New import pages:
		- PSFEI bills
		- Electricity accounts
		- LCSWMA bills
		- Gas bills
		- Bill Capture bills
	+ Fixed account merging
	+ Added editing/deleting of historical account numbers
* Miscellaneous
	+ Improved response time of displaying bills
	+ Fixed natural gas supply vs utility account selection
* Reports
	+ Fixed Procurement Report facility filter
	1. **Release 1.5.5.6 – November 3, 2017**

### Fixes and Enhancements

* Administrative Function
	+ Added new UMPro bill export page for DMVA personnel
	1. **Release 1.5.5.5 – August 15, 2017**

### Fixes and Enhancements

* Gas Procurement
	+ Fixed disappearing nomination approver role
	+ Fixed downloading of corrupted attachments
	+ Fixed account merging
	1. **Release 1.5.5.4 – July 17, 2017**

### Fixes and Enhancements

* Gas Procurement
	+ Fixed disappearing nomination approver role
	1. **Release 1.5.5.3 – July 10, 2017**

### Fixes and Enhancements

* Reports
	+ Fixed gas contract spend report’s city gate delta
	1. **Release 1.5.5.2 – June 20, 2017**

### Fixes and Enhancements

* Reports
	+ Added new columns to Gas Contract Spend Report
	1. **Release 1.5.5.1 – May 31, 2017**

### Fixes and Enhancements

* Reports
	+ Added Natural Gas Contract Spend Report
	+ Fixed new report pages to forward unauthenticated users back to the login page
* Account
	+ Fixed browser back button to remember previously selected commodity
* Electricity
	+ Fixed interval block selection page’s saving of the selected month to the user’s profile
* Electricity Procurement
	+ Fixed manual editing of calculated Price to Compare
	+ Added displaying interval data when drilling down into a bid inside a bid package flagged with “Calculate Price to Compare”
* Procurement
	+ Fixed template for uploading accounts to a bid package
	+ Removed “Savings vs High Bid”
	+ Added “Shoppable” column for administrators
* Natural Gas Procurement
	+ Added “Savings vs Previous Contract” to bid package
* Manual Bill Entry
	+ Fixed displaying of total quantity for water/sewer accounts
* Facility/Permission Management
	+ Fixed group/facility creation
	+ Fixed user permission editing
* General
	+ Fixed all gridviews’ “Export to Excel” to not export everything as text
	1. **Release 1.5.5 – April 23, 2017**

### Fixes and Enhancements

* Reports
	+ Added Contract Spend Report
	+ Added hiding Bills Report to Bill Entry personnel.
	1. **Release 1.5.4.5 – September 7, 2016**

### Fixes and Enhancements

* Reports
	+ Added COPA Procurement Report which returns Account’s financial information in addition to the same information as Procurement Report. The added columns are Line Item Number, Line Item Percentage, G/L Account, Fund, Cost Center, Order, and WBS Element.
		- Please note that if an account has more than one Line Item Percentage row (for example, one Line Item Percentage of 40% and the other Line Item Percentage of 60%), the row data will be duplicated (for example Total KWH, Annual Total Cost, etc. information will be the same for both rows with the exception of the account financial information columns).
* User Management
	+ Added page for users to update Account Financial Information
* Account Financial Information database
	+ Added a new table in ERMA database to store Account Financial Information. Initially, this was populated with information received in an Excel file.
	1. **Release 1.5.4 – December 6, 2015**

### Fixes and Enhancements

* Reports
	+ Fixed Facility Cost/Use Report to return all bills in specified date range when “Monthly by Account” is chosen (no longer caps the results at 12 bills)
* Electricity Procurement
	+ Added “All” option when drilling down into block & index bids to evaluate projected cost savings
	+ Modified generic interval importer to properly handle First Energy spreadsheets
* Gas Price Locks
	+ Added new automated emails for requesting price locks
* User Management
	+ Added page for users to update their own information (email, address, phone number, etc)
	+ Modified user registration to check for duplicate email addresses
	+ Modified login page to warn users when their account is locked or about to be locked
	+ Added company name to administrative user page
* Miscellaneous
	+ Modified the footer to contain the university accepted license/copyright information
	1. **Release 1.5.3 – July 5, 2015**

### Fixes and Enhancements

* Manual Bill Entry
	+ Added ability to print a bill
	+ Sped up searching
	+ Modified prompt when creating a bill whose read date is close to an existing bill’s read date (prompt to cancel the existing bill, keep both bills, or cancel the new bill creation)
* Reports
	+ Gave all users access to Facility Cost and Use report
* Account Searching
	+ Modified search to look for meter numbers and notes that match the search string
	+ Added administrative “Billed Demand” column
* Administrative Functions
	+ Added ability to display/edit multiple customer numbers and tariffs
	+ Added ability to merge accounts
	+ Added warning when creating a duplicate facility
	+ Added support for demand response contracts
	+ Modified account email notifications to allow rich formatted text
* Procurement
	+ Added support for bids to be 3 years or longer
	+ Reworked electricity and gas market data pages to share filter controls between the gridviews and charts and added an on/off peak filter
* Electricity Procurement
	+ Added ability for fixed bid packages to have calculated price to compares
	+ Made calculated price to compares configurable (real-time or day-ahead market data and the number of years of market data to use in a weighted average)
	+ Reworked interval importer to handle more formats
	+ Fixed block selection tool to allow blocks to be defined in the past and to remember the last displayed month
* Miscellaneous
	+ Added a Contact Us page
	+ Fixed Chrome bug when downloading attachments whose filename contains “,”
	+ Fixed email hyperlink
	1. **Release 1.5.2.2 – January 28, 2015**
		1. **Fixes and Enhancements**
* ERMA is now supported on mobile devices
* Gas Procurement
	+ Gas nominations may now be automatically calculated from bill usage
		- Created new nomination approval process
	+ Price locks can be specified as percentages and DTs
		- Created new price lock report
	+ Nominations may be specified in manually entered gas contracts
* Procurement
	+ Solicitation documents are now available within ERMA
	+ ERMA RFQs now contain Appendix A and B
	+ Batch price to compare functions were added for accounts in a tariff/rate class
	+ Award email is now saved as an attachment to the bid package
* Administrative Functions
	+ All commodities now have definitions for meters
	+ Documents may be attached to Contracts
	+ Line losses, conversion factors, retainage factors, etc. may be specified with more precision
	+ ERMA users may be deleted
	+ Accounts may be batch loaded into bid packages
	+ ERMA announcements may be displayed on landing page
* Reports
	+ Bills report is more user friendly
* Manual Bill Entry
	+ Added warning if a new bill’s usage is not modified from the pre-populated values of the previous month
	+ Added prompt if search returns more than 1 account
	1. **Release 1.5.2.1 – June 3, 2014**
		1. **Fixes and Enhancements**
* Award Notification
	+ Added email signature template for award notices
	+ Reworked award notification email to have included accounts in an Excel attachment
* Building of Bid Packages
	+ Added bid package validation
	+ Added bid package recalculation
	+ Improved building bid packages adding ability to copy/paste a bid package
	+ Fixed exact match when adding accounts to a bid package
* Reports
	+ Fixed timing out of facility cost/use report
	+ Added reported avoided cost to procurement report
* Manual Bill Entry
	+ Numerous manual bill entry improvements (reordering date fields, allowing for tabbed entry, disambiguating duplicate accounts with same number, made account detail display more clear, added remembering displayed account when exiting out of manual bill entry, added warning if future dates specified, default cursor position to read date)
	+ Added quick bill attachment view at account level
* Electricity Interval Data
	+ Fixed out of memory errors when displaying a lot of interval data
	+ Fixed interval data validation tab counts
* Procurement
	+ Reorganized natural gas bid details
* Administrative Functions
	+ Added administrative email notifications for accounts
	+ Fixed Create User hyperlink
	+ Added general ERMASupport email address

## Release 1.5.1 – March 10, 2014

### Fixes and Enhancements

* Added bulk importer of natural gas price to compares and delivery charges at RFQ level
* Moved requested delivery start date from account level to bid package level
* Added displaying OPEN/CLOSED in RFQ and bid package pages

## Release 1.4.1.10 – February 19, 2014

### Fixes and Enhancements

* Added displaying supplier’s own number of bids placed, and number of all bids placed
* Added default unit definition for nominations based on gas utility company
* Added ability to specify pricing point when placing a natural gas bid
* Added aggregate bid detail display for natural gas and electricity bids
* Added ability to “Non Award” a bid package
* Removed “Only Current RFQs” checkboxes
* Fixed contract status report’s supplier column
* Fixed bills with taxes report to not include $0 taxes
* Added monthly report for EDI bills with incorrect supplier
* Sped up adding accounts to a bid package
* Fixed SCI Pine Grove bill importer mgal unit parsing
* Migrated old pre-ERMA utility usage/shopping application details (price to compares, nominations, distribution charges, etc)
* Made bid package level savings agree with account level savings
* Fixed cost avoidance report to use latest agency/facility/account #

## Release 1.4.1.9 – January 13, 2014

### Fixes and Enhancements

* Added bulk importer for SCI Pine Grove bills
* Fixed bulk bill importer to not insert null units
* Manual Bill Entry
	+ Fixed attachments/notes tabs’ date display to use ReadDate, not BillDate (which may be null)
	+ Added supply checkbox to search criteria
	+ Cleaned up all supply gas accounts so that account company information displays supply company
	+ Cleaned up all utility gas accounts so that account company information display utility company
	+ Added “Go To Account Summary” button
	+ Made “Return” button go back to the originating page (account summary bill list or MBE search or bills report)
	+ Made units editable
	+ Prevented EDI bill editing by all non-admin users
* Account Management
	+ Fixed emailing of account link to display summary bill list
	+ Fixed account editing/adding to prevent utility accounts for supply companies and vice versa
	+ Added historical account # display
	+ Fixed summary display of supply gas accounts’ bills
	+ Added one-up row # to accounts’ summary bill list
	+ Modified account summary bill list to default to “Multiple Pages”
	+ Fixed export of account summary bill list to include hidden columns (in case inactive bills are displayed)
	+ Fixed account editing to redisplay summary bill list
	+ Fixed account creation to properly save service/billing addresses
* Company Management – Reworked company adding/editing to allow for different service types to be specified
* Procurement
	+ Fixed email award notice to include all customer #s (not just first one for each account)
	+ Fixed “Email Award” link to redisplay bid rows and “Award Notices Sent” checkbox
	+ Added canned 6/12/18/24 month bid lengths to bid package definition
	+ Better error handling when placing bids
	+ Moved bidding start/end dates to bid package definition
* Reports
	+ Added new contract status report
	+ Reworked bills report to be similar to account summary bill list

## Release 1.4.1.8 – November 18, 2013

### Fixes and Enhancements

* Improved efficiency by adding database indexes
* Procurement
	+ Added one-up row # to all RFQ/Bid Package views
	+ Added “Multiple Pages” checkbox to all RFQ/Bid Package views
	+ Added “Export to Excel” to all RFQ/Bid Package views
* EDI Processing – Fixed processing XML files of multiple accounts’ bills to not reset account’s tariff to street lighting if demand present

## Release 1.4.1.7 – November 15, 2013

### Fixes and Enhancements

* Account Management
	+ Made account # required
	+ When creating a new account added checking for existing account # and customer #
	+ Fixed account level summary bill display when redirected from electricity contracts page
* Manual Bill Entry
	+ Made tabbing work
* Procurement – Fixed adding accounts to bid package to gracefully handle inactive accounts
* Gas Procurement
	+ Made tabbing work in nomination bulk insert
	+ Made adding tariffs and distribution charges pull-down default to account #
	+ Fixed cost calculations to gracefully handle duplicate security price data
* Electricity Procurement – Fixed Day Ahead Escalation Rate text box to make it enabled when paging through bid packages
* User Management – Made required fields display \* when creating new user

## Release 1.4.1.5 – November 4, 2013

### Fixes and Enhancements

* Gas Procurement – Added nominations tab to Bid Package views
* Electricity Procurement – Fixed block selection tool to not force a strict numeric format (which was wiping out user entered data and not saving the value)

## Release 1.4.1.4 – November 4, 2013

### Fixes and Enhancements

* Reports – Fixed expiring contracts report to use the most recent contract
* Account Management
	+ Fixed account creation to not use previously entered AccountIDs
	+ Fixed displaying of detail tabs after account is created
	+ Fixed gas supply account creation to not throw exception
	+ Fixed water/sewer account creation to not throw exception
* Gas Procurement – Fixed drilling down into RFQ/bid package/bid details to not re-store savings
* Database – Migrated to SQL Server 2012

## Release 1.4.1.3 – October 27, 2013

### Fixes and Enhancements

* Procurement – Fixed “Reverse Award” action to make “Email Award” link visible again
* Manual Bill Entry
	+ New monthly report for turnpike manually entered bills
	+ New monthly report for bills with state taxes
* EDI Processing
	+ Started adding original XML file as attachment to all EDI bills
	+ Fixed ReadDate parsing to use most recent if multiple dates in XML file
	+ Fixed incorrect meter multiplier in EDI bills for electricity account # 7819078000
* Account Management – Fixed summary gas bill display to only display usage if the corresponding CostLineItem had units
* Reports – Increased cost avoidance report’s timeout

## Release 1.4.1.2 – October 8, 2013

### Fixes and Enhancements

* Manual Bill Entry
	+ Added prompt to warn user if saving bill with no attachment

## Release 1.4.1.1 – October 7, 2013

### Fixes and Enhancements

* Procurement
	+ Fixed bid editing to redisplay number of months properly
	+ Fixed electricity bid default order to be by number of months then $/kwh

## Release 1.4.1 – October 2, 2013

### Fixes and Enhancements

* Reports
	+ Reworked electricity and natural gas cost avoidance reports to be able to filter on agency/facility and select multiple RFQs
	+ Added facility cost and use report
* Electricity procurement – Added calculated price to compare for large block & index accounts

## Release 1.4 – September 17, 2013

### Fixes and Enhancements

* Reports – Added new electricity and natural gas cost avoidance reports (per account)
* Manual Bill Entry
	+ Added link from electricity account search directly to manual bill entry
	+ Added previous/next arrows to manual bill entry
	+ Made Invoice Date an optional field (no longer required)
	+ Added natural gas unit for TH
	+ Added customer number search
	+ Made charge type description mandatory (and added default charge type to new line items)
* Account Maintenance
	+ Added “Is Supply” to account search results
	+ Fixed water/sewer and steam bill summaries to properly display usage
* Natural Gas Procurement
	+ Added nominations tab to bid package display
	+ Added annual savings to previous contract

## Release 1.3 – August 13, 2013

### Fixes and Enhancements

* Electricity procurement – Increased speed of cost avoidance calculations. Modified cost avoidance calculations to:
	+ Use most recent block size definitions even if the block wasn’t defined for the current bid’s term
	+ Use most recent interval data for every month/day/hour of the bid term. This includes going back in time to previous years to fill holes in interval data
	+ Use most recent day-ahead security data for every month/day/hour of the bid term. This includes going back in time to previous years to fill holes in security data
	+ Use interval data for calculating total usage of fixed bids when in “Fixed, Block & Index” bid packages
	+ Use previous block & index contracts’ per unit cost when calculating the savings vs. previous contract
	+ Use optional day-ahead inflation percentage defined in bid package
	+ Added detailed monthly display of fixed bids (similar to monthly display of block and index bids)
* Natural gas procurement
	+ Added summary row to detailed monthly display of bids
	+ Added “Total Savings vs Price to Compare” to bid package listing in RFQ
	+ Fixed “Savings vs High Bid” and “Savings vs Price to Compare” in bid package listing in RFQ to match the bid details in the bid package page

## Release 1.2 – May 8, 2013

### Fixes and Enhancements

* Manual Bill Entry – Initial version provides the functionality to Add, Edit, View and Delete bills in ERMA
* Online Users guide will assist users in referencing the functional operations
* Many other changes, fixes, and enhancements were done

## Release 1.1 – April 23, 2013

### Fixes and Enhancements

* Natural Gas Procurement – Increased speed of cost avoidance calculations. Fixed multiple issues with “fence post” dates (i.e. incorrectly using data on the bid term ends) and not gracefully handling missing data

## Release 1.01 – October 12, 2012

The following section will list any software changes, fixes, and enhancements which have been added since the prior version in this software release. It will also list any known issues that exist in ERMA.

### Fixes and Enhancements

* Block & Index – Made changes/fixes to block selection component that is required for placing bids
* Interval data import – Made changes to address the source of the file location for the currently provided utilities
* Nomination data – Added an enhancement to the application that will allow the user to batch enter (Bulk Add) 12 or 24 months of data effortlessly, pre-populating Date column and Unit type
* User Administration – Added an enhancement to the User Administration component which allows administrator to manage user’s contact info, permissions, and roles
* Main Landing Page – Replaced text with an image and added DGS logo
* Error Logging/Reporting – Enhanced the error reporting component which will enable isolating software issues easier

### Known Anomalies

* Please note that ERMA web application has a standard 20-minute inactivity timeout. If the workstation does not have any keyboard or mouse activity for 20 minutes, user’s connection to ERMA web application will be cancelled and the user will need to login again. It is recommended that a User should logout from ERMA when done or if the application is not being actively utilized.