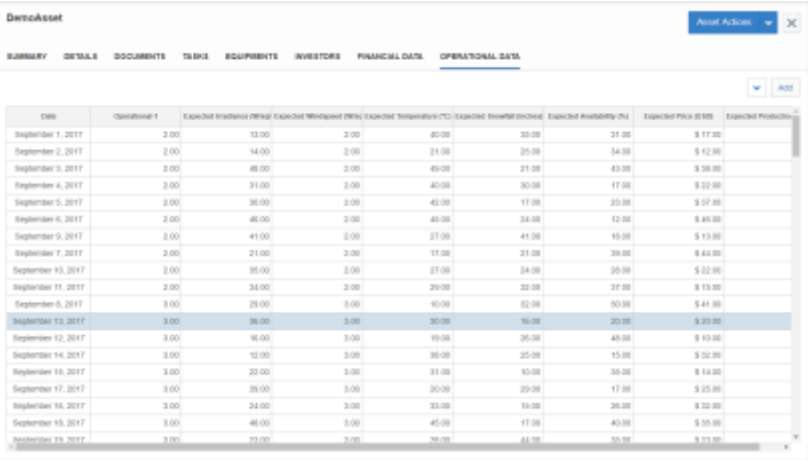
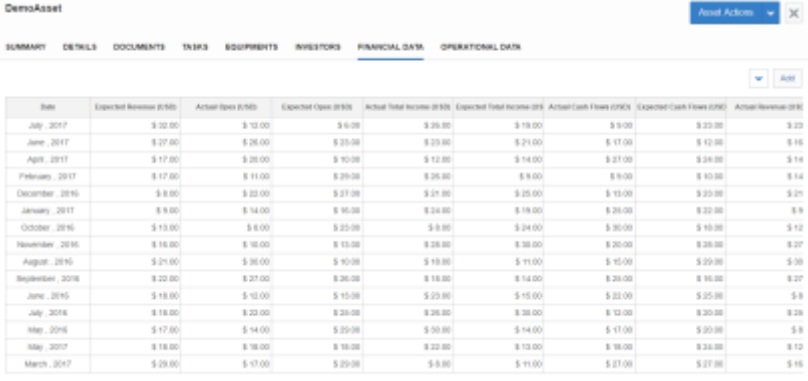


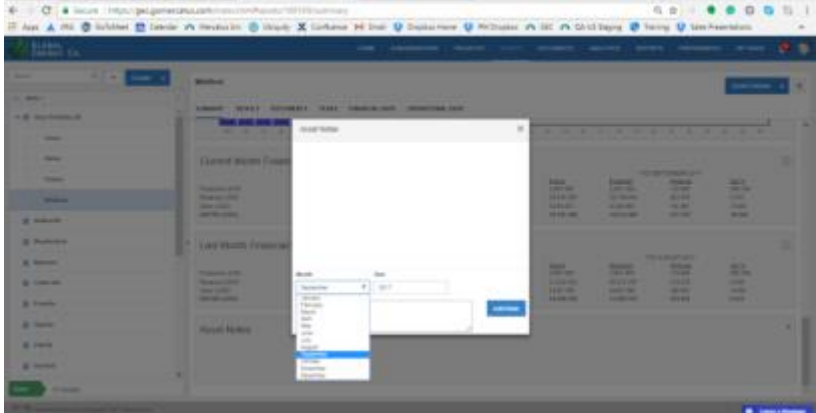
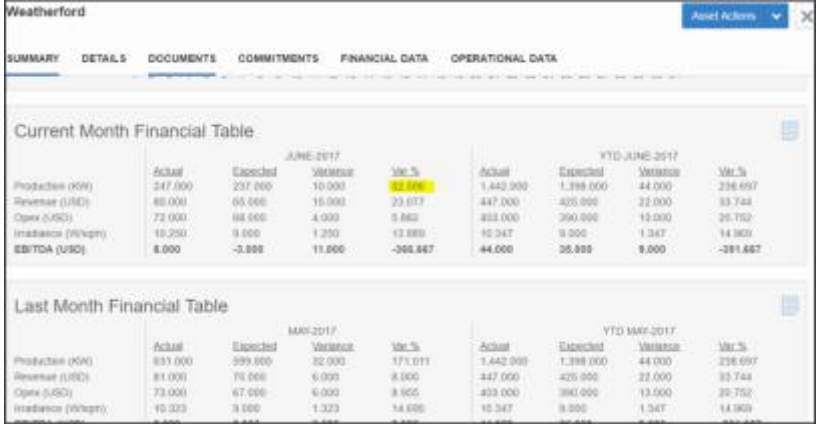


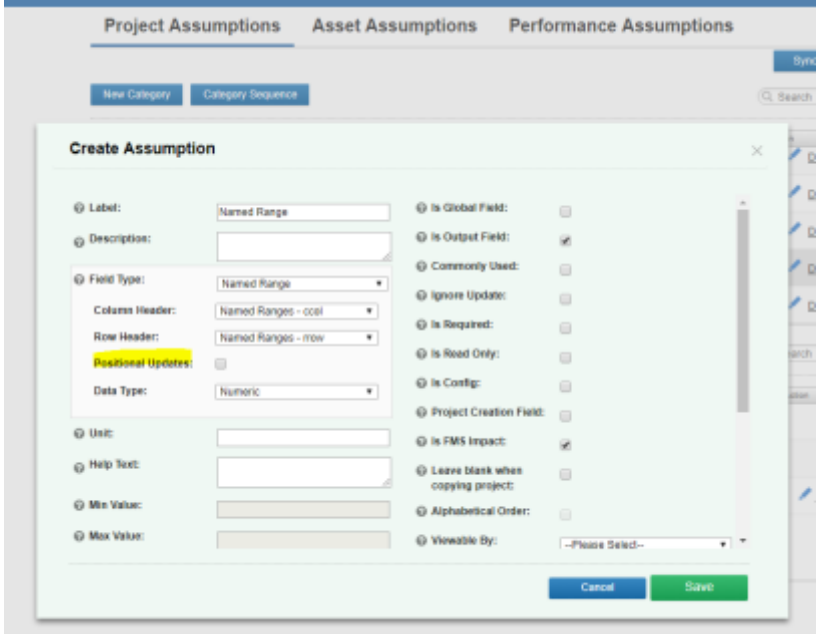
Mercatus Energy Investment Lifecycle Management Release Notes

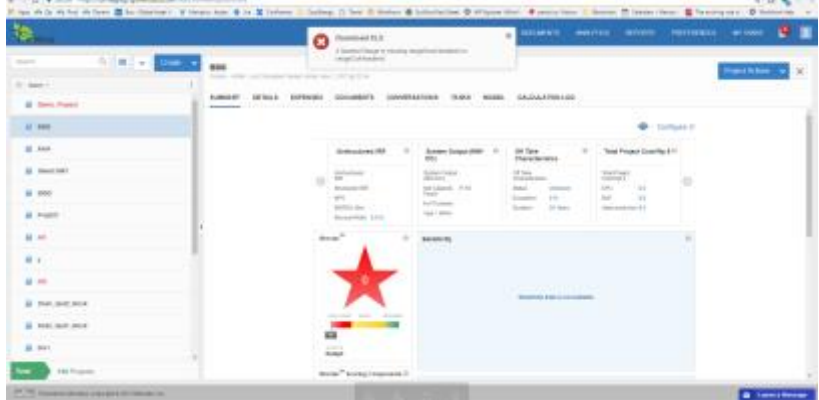
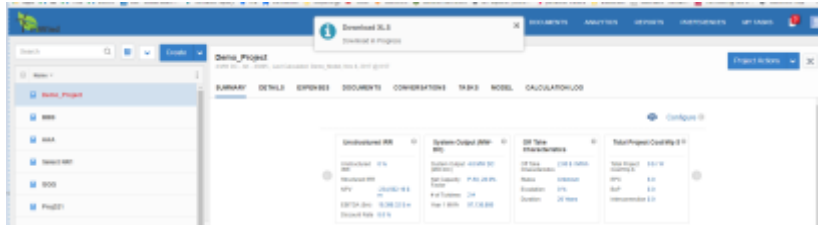
Release 17.11.1

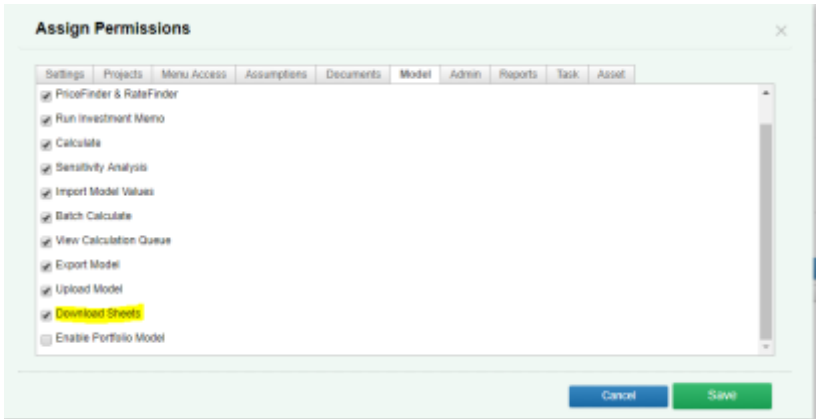
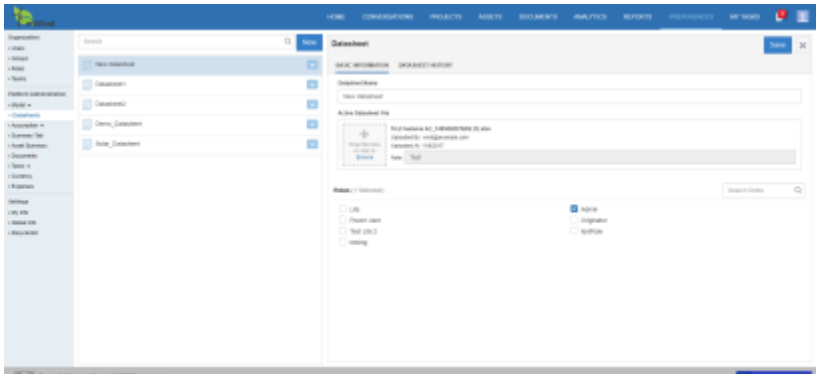
The Mercatus Team will release Mercatus Energy Investment Lifecycle Management 17.11.1 to all production environments on Friday, November 17, 2017 at 4pm PST. The system will be unavailable for 4 hours. This is a feature release with the following items.

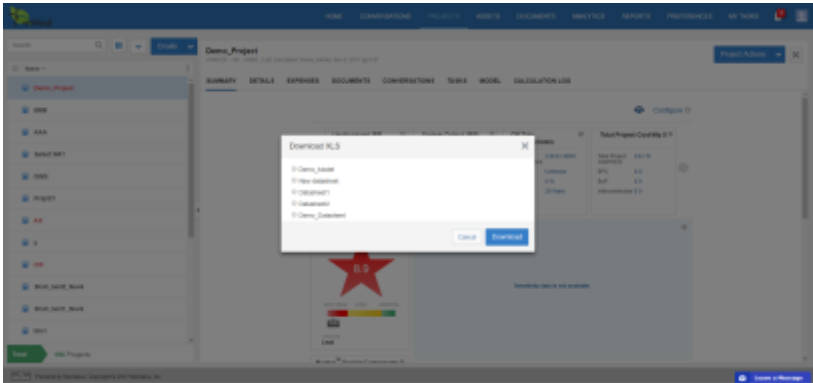
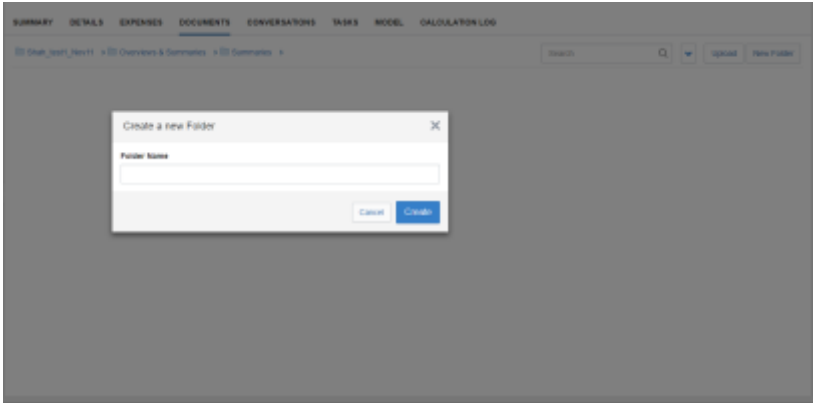
Issue	Description
Asset Management	
Performance Data Tabs	<p>We've improved the user interface and performance on the operational and financial tabs in Asset Management. The functionality remains the same, but the look and feel, scroll speed and load operations are enhanced.</p> <p>Operational Data Tab</p>  <p>Financial Data Tab</p> 

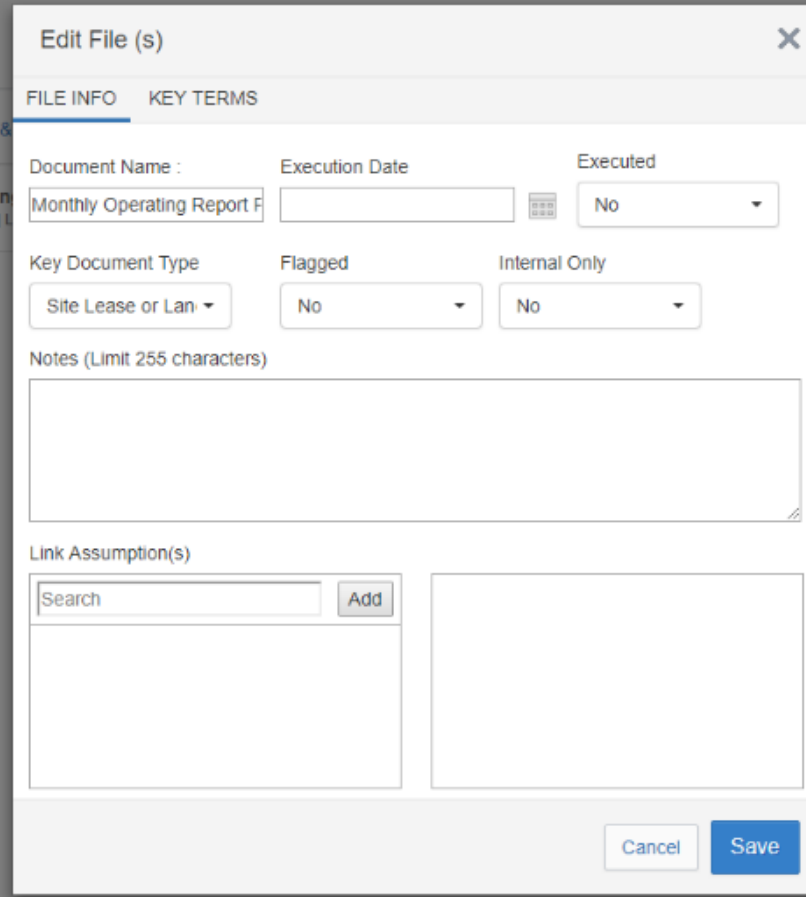
<p>Notes in Analytics</p>	<p>The notes captured in the Details Tab for Assets can be displayed in Analytics.</p> 																																																																																																																			
<p>Production Variance Calculation</p>	<p>The variance calculation for Production in the Summary Tab in Assets has been corrected.</p>  <table border="1" data-bbox="560 1029 1372 1333"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">JUNE 2017</th> <th colspan="4">YTD JUNE 2017</th> </tr> <tr> <th>Actual</th> <th>Expected</th> <th>Variance</th> <th>Variance %</th> <th>Actual</th> <th>Expected</th> <th>Variance</th> <th>Variance %</th> </tr> </thead> <tbody> <tr> <td>Production (KWh)</td> <td>247,000</td> <td>237,000</td> <td>10,000</td> <td>4.22%</td> <td>1,442,000</td> <td>1,398,000</td> <td>44,000</td> <td>3.15%</td> </tr> <tr> <td>Revenue (USD)</td> <td>88,000</td> <td>85,668</td> <td>2,332</td> <td>2.72%</td> <td>447,000</td> <td>425,000</td> <td>22,000</td> <td>5.19%</td> </tr> <tr> <td>Opex (USD)</td> <td>72,000</td> <td>68,668</td> <td>3,332</td> <td>4.85%</td> <td>483,000</td> <td>390,000</td> <td>93,000</td> <td>23.85%</td> </tr> <tr> <td>Imbalance (W/eqm)</td> <td>18,250</td> <td>9,000</td> <td>9,250</td> <td>102.22%</td> <td>9,347</td> <td>9,000</td> <td>347</td> <td>3.86%</td> </tr> <tr> <td>EBITDA (USD)</td> <td>8,000</td> <td>-3,998</td> <td>11,998</td> <td>-149.95%</td> <td>44,000</td> <td>38,998</td> <td>5,002</td> <td>12.83%</td> </tr> </tbody> </table> <table border="1" data-bbox="560 1197 1372 1333"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">MAY 2017</th> <th colspan="4">YTD MAY 2017</th> </tr> <tr> <th>Actual</th> <th>Expected</th> <th>Variance</th> <th>Variance %</th> <th>Actual</th> <th>Expected</th> <th>Variance</th> <th>Variance %</th> </tr> </thead> <tbody> <tr> <td>Production (KWh)</td> <td>831,000</td> <td>899,000</td> <td>68,000</td> <td>7.57%</td> <td>1,442,000</td> <td>1,398,000</td> <td>44,000</td> <td>3.15%</td> </tr> <tr> <td>Revenue (USD)</td> <td>81,000</td> <td>76,668</td> <td>4,332</td> <td>5.65%</td> <td>447,000</td> <td>425,000</td> <td>22,000</td> <td>5.19%</td> </tr> <tr> <td>Opex (USD)</td> <td>73,000</td> <td>67,668</td> <td>5,332</td> <td>7.88%</td> <td>483,000</td> <td>390,000</td> <td>93,000</td> <td>23.85%</td> </tr> <tr> <td>Imbalance (W/eqm)</td> <td>10,323</td> <td>9,000</td> <td>1,323</td> <td>14.69%</td> <td>9,347</td> <td>9,000</td> <td>347</td> <td>3.86%</td> </tr> </tbody> </table>		JUNE 2017				YTD JUNE 2017				Actual	Expected	Variance	Variance %	Actual	Expected	Variance	Variance %	Production (KWh)	247,000	237,000	10,000	4.22%	1,442,000	1,398,000	44,000	3.15%	Revenue (USD)	88,000	85,668	2,332	2.72%	447,000	425,000	22,000	5.19%	Opex (USD)	72,000	68,668	3,332	4.85%	483,000	390,000	93,000	23.85%	Imbalance (W/eqm)	18,250	9,000	9,250	102.22%	9,347	9,000	347	3.86%	EBITDA (USD)	8,000	-3,998	11,998	-149.95%	44,000	38,998	5,002	12.83%		MAY 2017				YTD MAY 2017				Actual	Expected	Variance	Variance %	Actual	Expected	Variance	Variance %	Production (KWh)	831,000	899,000	68,000	7.57%	1,442,000	1,398,000	44,000	3.15%	Revenue (USD)	81,000	76,668	4,332	5.65%	447,000	425,000	22,000	5.19%	Opex (USD)	73,000	67,668	5,332	7.88%	483,000	390,000	93,000	23.85%	Imbalance (W/eqm)	10,323	9,000	1,323	14.69%	9,347	9,000	347	3.86%
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<p>Positional Updates</p>																																																																																																																				
<p>Positional Updates</p>	<p>In the assumption editor, you can specify a named range to have “positional updates” checked On or Off.</p>																																																																																																																			

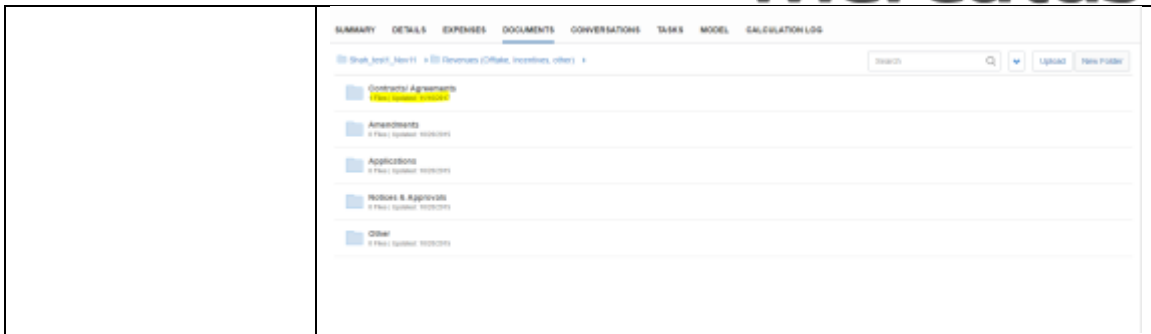
	 <p>If the setting is set to ON, then values in a named range will update in Excel based on positional values instead of header coordinates so that we can rename a header but keep the underlying data. This is required when assumption values are inputs to a header formula.</p> <p>If the setting is set to OFF, then the values in a named range will attach to the row and column coordinates so that renaming a header results in new values. This is the default setting and is required for “moving” columns from one position to another. This is the typical scenario for columns based on years and a new year is introduced to the named range.</p>
Model	
Download	<p>We’ve enhanced the error messaging that may appear when a user selects “Download XLS” and there are errors in the data transfer between the application and Excel.</p> <p>In this example, a there is a named range with label “Z Named Range” where a header reference is missing. If there are errors, the system will stop the download process and inform the user with name of the offending named range. In the past, the error message did not include as much information.</p>

	
<p>Upload</p>	<p>Similarly, we've enhanced the error messaging that may appear on Upload XLS.</p>
<p>Calculate/Macros</p>	<p>Similarly, we've enhanced the error messaging that may appear on Calculate, RateFinder, PriceFinder, Sensitivity or GetInvestmentMemo.</p>
<p>Download Progress Message</p>	<p>When users select Download XLS, the system immediately displays a message indicating that a download is in progress. This serves as an acknowledgement that the system is busy processing the request.</p> 
<p>Model permissions clean up</p>	<p>There are 3 privileges associated with utilizing models within Mercatus.</p> <ol style="list-style-type: none"> 1. Import Model Values - should allow a user to only upload values at the project level using "Upload XLS" 2. Upload Model - should allow a user to upload both values and custom models at the project level using "Upload XLS" then checkbox for "Use as Model" 3. Edit Custom Model - should allow a user to have access to the base org model in Preferences as an Admin <p>In the past, "Use as Model" was tied to "Edit Custom Model." which was incorrect. With this release, the system now correctly ties "Use as Model" to Upload Model.</p>
<p>Portfolio Model Calc</p>	<p>Customer admins can now control which users can perform "Calculate" at the portfolio level. There is a new permission</p>

	<p>in the model tab titled “Enable Portfolio Model”. If a user logs in with a role where “Enable Porfolio Model” is set, they can Calculate, Refresh or perform Macro functions in a portfolio. Otherwise, they cannot. The system will default this value to OFF.</p>
<p>Datasheets</p>	
	<p>We’re introducing a new feature titled “Datasheets”. Datasheets are like models. They are used for exporting and importing project data to Excel. Users can export data to a Datasheet, edit in Excel, then upload to the system.</p>
<p>Permissions</p>	<p>We’ve added a permission titled “Download Sheets”. If a user belongs to a role where Download Sheets is ON, then the system will allow the user to Download Sheets.</p> 
<p>Admin UI</p>	<p>Like models, datasheets are templates. They contain an excel model, a history and a basic info. In a model basic info is used usage criteria. In a datasheet, the basic info tab is used for specifying which roles have access to the sheet. Otherwise, datasheets are maintained exactly like models – where you can click /preferences/datasheets to see the templates. You can add, edit or delete datasheets.</p> 

	<p>Note that datasheets do not have a macro tab.</p>
<p>Download XLS</p>	<p>Users can select “Download XLS” from the project action. If the user has “Download Sheets” permission, the system will display a popup window showing all sheets that the user has access to. It will also show Models – if the user has access to Export Model.</p>  <p>If the user selects a Datasheet or Model, then clicks Download, the system will push application data into an Excel file and download it. The file may be a Datasheet or Model controlled by the template managed in the Admin UI section.</p>
<p>Upload XLS</p>	<p>Note that Upload XLS does not change with this feature. If a user selects a datasheet or model, the system will upload the data inside the Excel file and push data to the application.</p>
<p>Document Room improvements (Box)</p>	
<p>Create Folders in Doc Room</p>	<p>For those customers using the Box service, users can click the “New Folder” button inside the Document Room to create a new document folder for that the current project.</p> 

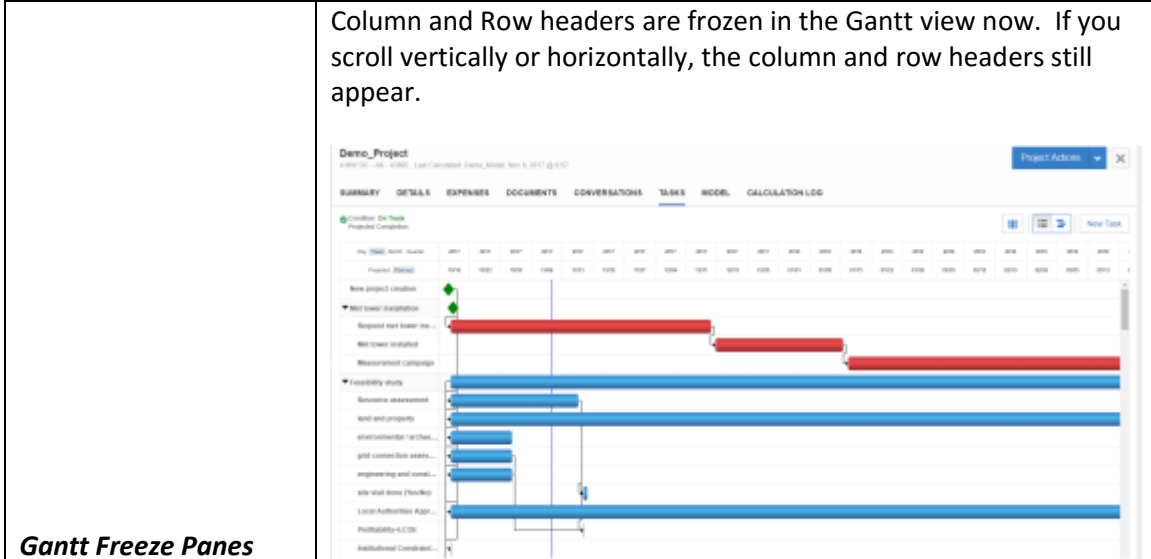
	<p>This ability is controlled by the customer success team. The team can set the ability at a global folder level. The team set the level to blank (which turns off the function) to a number between 1 and 10. The number represents the folder level in the overall document “tree”. Users can create a new folder for any project, if they are at the level or below.</p>
<p>Info Tab</p>	<p>For customers using the Box service, the Info tab in the Box Preview is now editable. This is important because, users can set the Document Type here. This in turn allows users to set Key Terms in the next tab.</p> 
<p>File Count</p>	<p>The file count in the document room was previously including sub-folders and documents. With this release, it’s only including files.</p>



Tasks

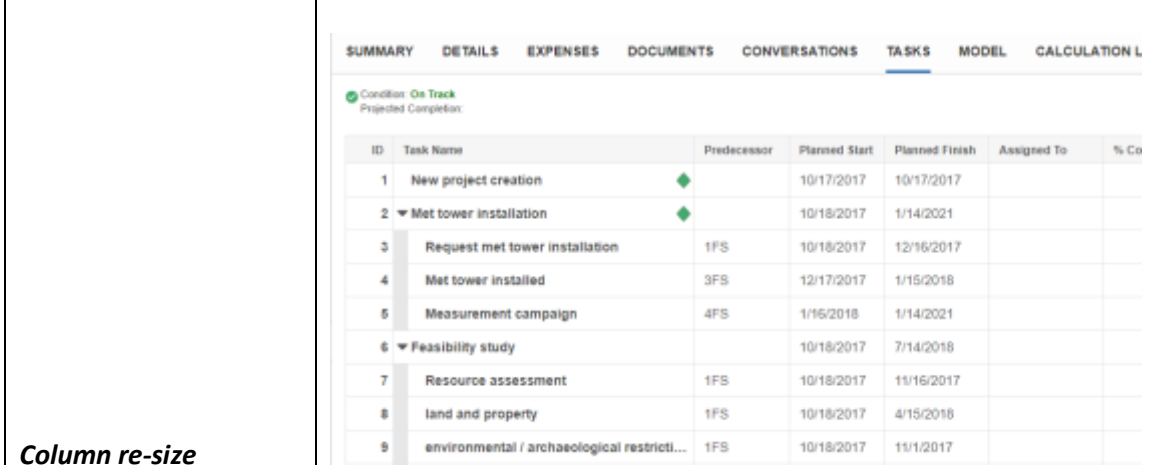
Column and Row headers are frozen in the Gantt view now. If you scroll vertically or horizontally, the column and row headers still appear.

Gantt Freeze Panes



Users can drag a column border to re-size the column length.

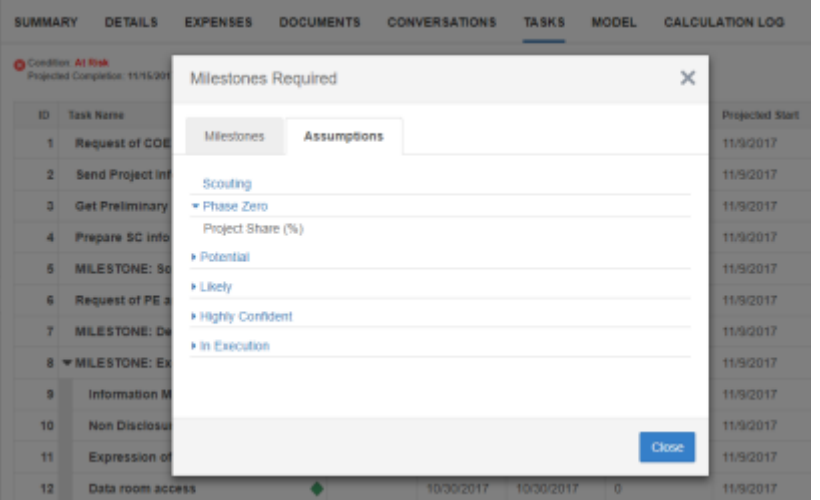
Column re-size



ID	Task Name	Predecessor	Planned Start	Planned Finish	Assigned To	% Co
1	New project creation	◆	10/17/2017	10/17/2017		
2	Met tower installation	◆	10/18/2017	1/14/2021		
3	Request met tower installation	1FS	10/18/2017	12/16/2017		
4	Met tower installed	3FS	12/17/2017	1/15/2018		
5	Measurement campaign	4FS	1/16/2018	1/14/2021		
6	Feasibility study		10/18/2017	7/14/2018		
7	Resource assessment	1FS	10/18/2017	11/16/2017		
8	land and property	1FS	10/18/2017	4/15/2018		
9	environmental / archaeological restricti...	1FS	10/18/2017	11/1/2017		

Project Creation Performance
When users click New Project, we've improved the performance for attaching tasks based on template.

Details affect stage
When users change assumptions that affect project phase, the system will now automatically trigger the phase calculations.

	
Fixes	
EIM-4332	When sub-tasks were completed, and the cascade logic completed a parent task, notifications were not being sent. This was corrected in this release.
EIM-7477	Bulk Calculate Email Message – prior to release, the system generated an notification email upon new project creation indicating a bulk calculate issue. This message has been removed.
EIM-7673	Scroll and zoom issues – if the user set the browser zoom level to < or > 100, the scrolling was not working. This was corrected with this release. This applies to pipeline, tasks and MyTasks.
EIM-7962	Org level model downloaded instead of divergent – There was an issue with the model download on divergent projects. When the download XLS generated an error, the system would download the base model. After this release, the system will generate an error message instead
EIM-7729	We've fixed the issue with the IE Browser and Box preview.