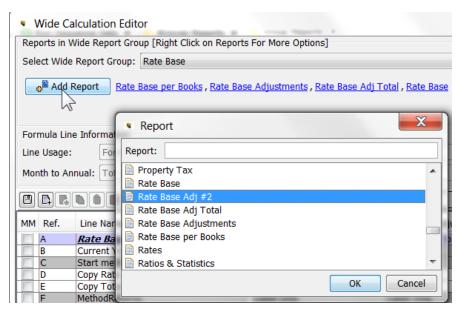
Add a report to an existing Wide Report Group

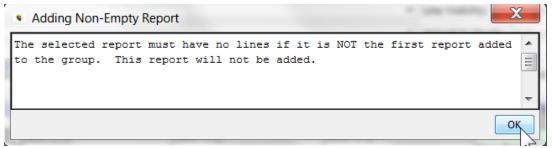
To add a report to the currently selected Wide Report Group, choose the Add Report button and select the report to add. The report to add must have no lines, since it needs to inherit the existing lines of the current Wide Report Group. Also, be cognizant of the report's context.



It will then be added to the group, and will show up as the last report.

Wide Calculation Editor									
Reports in W	Reports in Wide Report Group [Right Click on Reports For More Options]								
Select Wide	Select Wide Report Group: Rate Base								
<mark>o[≌]</mark> Add F	e Add Report Rate Base per Books , Rate Base Adjustments , Rate Base Adj Total , Rate Base , Rate Base Adj ≢2								
Formula Line	e - Rate Base Adj #2.0								
Line Usage:	Formula			▼ Line Visibil	ity: Always show				
Month to An	nual: Total (sum of months)			 Annual to I 	Month: Dollars (000) with Actu	als			
	6 A A S A S A	🖹 🗟 🕄 Formula/Source	ce 🔻						
MM Ref.	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base	Rate Base Adj #2			
A	Rate Base	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Descri			
	Current Year	Current Year()	Label Only	Label Only	Label Only				
C	Start method	Label Only	Label Only	Label Only		Label Only			
D	Copy Rate Base before adjustments				Copy From Inside a Method(
E	Copy Total Adjustments				Copy From Inside a Method(
F	MethodReturns	Label Only	Label Only	Label Only	D:[Copy Rate Base before a				
G		Label Only	Label Only	Label Only	Label Only	Label Only			
H	if	B:[Current Year] > 2015	Label Only	Label Only	Label Only				
T	Plant In Service	I ine is Target of Allocations()	Innut()	Rollun with Path(Rate Base	1	1			

If the user attempts to add a report that already has lines, they will receive an error message.



Reordering Wide Reports

When a report is added to a Wide Report Group, it will appear as the last report in the group.

Reports in	Wide Report Group [Right Click on Report	s For More Options]						
Select Wide	e Report Group: Rate Base							
🛛 🚽 🕹	Report Rate Base per Books , Rate Bas	se Adjustments , <u>Rate Base Adj T</u>	<u>otal , Rate Base , Rate Base Adj</u>	<u>#2</u>				
Formula Lir	ne - Rate Base Adj #2.0							
	-							
ine Usage.	Formula				Line Visibil	ity: A	lways show	
Month to A	Month to Annual: Total (sum of months)							
				-	🖞 Annual to I	Month: D	ollars (000) with Actu	Jals
-ionar co za				•	Annual to I	Month: D	ollars (000) with Actu	Jals
	□ • • • • • • • • • • • • • • • • • • •	Formula/Source	e 🔻		Annual to I	Month: D	ollars (000) with Actu	Jals
B D D	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj To	tal	Rate Bas	56	Rate Base Adj #2
3 🗋 🕼 1M Ref.	Line Name	Rate Base per Books Place Holder for Entity Descri	Rate Base Adjustments Place Holder for Entity Descri	Rate Base Adj To Place Holder for Ei	tal ntity Descri	Rate Bas Place Hol	se der for Entity Descri	Rate Base Adj #2
IM Ref.	Line Name Rate Base Current Year	Rate Base per Books Place Holder for Entity Descri Current Year()	Rate Base Adjustments Place Holder for Entity Descri Label Only	Rate Base Adj To Place Holder for Ei Label Only	tal ntity Descri	Rate Bas	se der for Entity Descri	Rate Base Adj #2 .Place Holder for Entity Descr
M Ref.	Line Name Current Year Start method	Rate Base per Books Place Holder for Entity Descri	Rate Base Adjustments Place Holder for Entity Descri	Rate Base Adj To Place Holder for Ei	tal ntity Descri	Rate Bas Place Hol Label On	se Ider for Entity Descri Iy	Rate Base Adj #2 Place Holder for Entity Descr Label Only
IM Ref. A B C D	Line Name Rate Base Current Year Start method Copy Rate Base before adjustments	Rate Base per Books Place Holder for Entity Descri Current Year()	Rate Base Adjustments Place Holder for Entity Descri Label Only	Rate Base Adj To Place Holder for Ei Label Only	tal ntity Descri	Rate Bas Place Hol Label Onl Copy Fro	se ider for Entity Descri ly m Inside a Method(Rate Base Adj #2 .Place Holder for Entity Descr Label Only
IM Ref. A B C D E	Line Name Rate Base Current Year Start method Copy Rate Base before adjustments Copy Total Adjustments	Rate Base per Books Place Holder for Entity Descri Current Year() Label Only	Rate Base Adjustments Place Holder for Entity Descri Label Only Label Only	Rate Base Adj To Place Holder for Er Label Only Label Only	tal ntity Descri	Rate Bas Place Hol Label Onl Copy Fro Copy Fro	se der for Entity Descri ly m Inside a Method(m Inside a Method(Rate Base Adj #2 .Place Holder for Entity Descr Label Only
M Ref.	Line Name Rate Base Current Year Start method Copy Rate Base before adjustments	Rate Base per Books Place Holder for Entity Descri Current Year() Label Only Label Only	Rate Base Adjustments Place Holder for Entity Descri Label Only Label Only Label Only	Rate Base Adj To Place Holder for Ei Label Only Label Only Label Only	tal ntity Descri	Rate Bas Place Hol Label Onl Copy Fro Copy Fro D:[Copy	se der for Entity Descri ly m Inside a Method(Rate Base before a	Rate Base Adj #2 .Place Holder for Entity Descr Label Only Label Only
MM Ref.	Line Name Rate Base Current Year Start method Copy Rate Base before adjustments Copy Total Adjustments	Rate Base per Books Place Holder for Entity Descri Current Year() Label Only	Rate Base Adjustments Place Holder for Entity Descri Label Only Label Only	Rate Base Adj To Place Holder for Er Label Only Label Only	tal ntity Descri	Rate Bas Place Hol Label Onl Copy Fro Copy Fro	se der for Entity Descri ly m Inside a Method(m Inside a Method(Rate Base before a ly	Rate Base Adj #2 .Place Holder for Entity Descr Label Only

To reorder the reports, first ensure that the View setting is set to Scenario Order for Reports. Then open the Core Object Editor and select Reports. Put the reports in the Wide Report Group in the desired order and hit Save. The next time the Wide calculation Editor is opened, the reports will be reordered accordingly. See below.

Select Sort Order - These are user preferences	
All Alpha Order All Scenario Order	
Select Order for: Scenarios	_
Alpha Order	
Select Order for: Cases	
Alpha Order Oscenario Order	
Select Order for: Entity Groups	
Alpha Order Oscenario Order	
Select Order for: Entities other than Planning Entity	
Alpha Order Scenario Order	
Select Order for: Planning Entity	
Alpha Order Oscenario Order	
Select Order for: Attribute Definitions	
Alpha Order Oscenario Order	
Select Order for: Accounts & Account Roll-ups	
Alpha Order Oscenario Order	
Select Order for: Reports	
Alpha Order Scenario Order	
Select Order for: Report Batches	
Alpha Order Scenario Order	
Select Order for: All other objects	
Alpha Order Scenario Order	
	0k

Core Object Editor ×								
Select Objects to Edit								
Object Type: Report Image: Comparison of the second secon								
Object ID Interface Codes Delete	Owner Group Visibility Cas	e-Name Order Instance-Na	me/Code/Order Data Finder Alerts	Admin Locks				
🔦 Move Up		👗 То Тор	🔻 To Bottom	🙋 Reorder	Edit in Excel			
Touch cell under Case. F7=Move U	p, F8=Mo Winner		Order in Case: Base Attribute Cas	e Order in Case: V	isibility Model Only			
Other Operating Revenue	60		60					
Goal Seeking Results	61		61					
Plant Account Detail	62		62					
Property Tax	63		63					
Rate Base per Books	64		64					
Rate Base Adjustments	65		65					
Rate Base Adj Total	66		66					
Rate Base Adj #2	67		67					
Rate Base	68		68					

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 Wide Ca 	Wide Calculation Editor								
Reports in W	Reports in Wide Report Group [Right Click on Reports For More Options]								
Select Wide	Select Wide Report Group: Rate Base								
<mark>⊕[©]</mark> Add F	Add Report Rate Base per Books, Rate Base Adjustments, Rate Base Adj Total, Rate Base Adj #2, Rate Base								
Formula Line	Information								
Line Usage:	Formula		▼ Line	Visibility: Always show					
Month to An	nual: Total (sum of months)		▼ Ann	ual to Month: Dollars (000) wit	h Actuals				
		🖹 🗟 🖓 🕙 Formula/Source	ce 🔻	N					
MM Ref.	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base Adj #2	Rate Base			
A	Rate Base	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Descri			
B	Current Year	Current Year()	Label Only	Label Only		Label Only			
C	Start method	Label Only	Label Only	Label Only	Label Only				
D	Copy Rate Base before adjustments					Copy From Inside a Method(
E	Copy Total Adjustments					Copy From Inside a Method(
F	MethodReturns	Label Only	Label Only	Label Only	Label Only	D:[Copy Rate Base before a			
G		Label Only	Label Only	Label Only	Label Only	Label Only			
H	if	B:[Current Year] > 2015	Label Only	Label Only	Label Only	Label Only			

Remove a Report

To remove a report from the currently selected Wide Report group, right-click on it in the report list and choose Delete.

Wide Calculation Editor				
Reports in Wide Report Group [Right Click on Reports	s For More Options]			
Select Wide Report Group: Rate Base				
Add Report Rate Base per Books , Rate Base	e Adjustments , Rate Rase Adi T	otal_Rate Rase		
		nove Report		
	🗎 Edit	Time Data		
Formula Line - Rate Base per Books.AB	¥; ^y Star	ndard Calculation Editor		
Line Usage: Formula			▼ Line Visibi	lity: Always show
Month to Annual: Ending Balance			▼ Annual to	Month: Dollars (000) without Actuals
B. C. D. O. S. V. O. S. S.	biu•∎∎a ≪	> 🔳 🔿 🖹 🗟 🛄 🔍 F	ormula/Source 🔻	
MM Ref. Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base
A <u>Rate Base</u>	Place Holder for Entity Descri			Place Holder for Entity Descri
B Current Year	Current Year()	Label Only	Label Only	Label Only
C Start method D Copy Rate Base before adjustments	Label Only	Label Only	Label Only	Copy From Inside a Method(
E Copy Total Adjustments				Copy From Inside a Method(

Calculation Grid

Note that the calculation grid portion of the screen does not allow for adding columns to display, nor does it display postings, local context or the actuals formula, as these would be impossible to display for a grid with multiple reports. As indicated below, users can always open individual reports in the standard Calculation Editor, to use these other features.

That said, the grid has all of the core functionality needed to create or modify reports.

1) It has almost of the core line and report action buttons

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2) Users can add, remove, and move individual lines or groups of lines

3) Users can select a report/line and put in formulas, if tests or functions. Note that there is a dropdown to toggle the formula display between Forecast and Actuals Override

ΜМ	Ref.	Line Name	Rate Base per Books	Rate Actuals Override	Rate Base Adj Total	Rate Base
	A	Rate Base	Place Holder for Entity Description	Place Holder for Entity Description	Place Holder for Entity Description	Place Holder for Entity Descri
	В	Start method	Label Only	Label Only	Label Only	
	С	Copy Rate Base before adjustments				Copy From Inside a Method(.
	D	Copy Total Adjustments				Copy From Inside a Method
	E	MethodReturns	Label Only	Label Only	Label Only	C:[Copy Rate Base before a
	F		Label Only	Label Only	Label Only	Label Only
	G	Plant In Service	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,G:[Pla	
	н	Less Depreciation Reserve	Line is Target of Allocations(Switch Sign)	Input()	Rollup with Path(Rate Base Adjustments,H:[Les	
1		Net Plant	Sum Down(G:[Plant In Service])	Sum Down(G:[Plant In Service])	Sum Down(G:[Plant In Service])	
	3		Label Only	Label Only	Label Only	Label Only
1	К	Materials and Supplies	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,K:[Mat	
	L	Fuel Inventory	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,L:[Fue	
	м	new line				
	N	Gas in Storage	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,N:[Gas	
	0	Nuclear Decommissioning Balance	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,O:[Nu	
	P	Nuclear Fuel	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,P:[Nuc	
	Q	Working Capital Allowance	Copy From(Jurisdictional Working Capital,Y:[Total	Input()	Rollup with Path(Rate Base Adjustments,Q:[Wo	
	R	Total Working Capital Items	Sum Down(K:[Materials and Supplies])	Sum Down(K:[Materials and Supplies])	Sum Down(K:[Materials and Supplies])	
	S		Label Only	Label Only	Label Only	Label Only
	Т	Less: Plant-Related Deferred Income	Line is Target of Allocations(Switch Sign)	Input()	Rollup with Path(Rate Base Adjustments,T:[Les	
	U	Less: Other Deferred Income Taxes	Line is Target of Allocations(Switch Sign)	Input()	Rollup with Path(Rate Base Adjustments,U:[Les	
	V	Less: Customer Advances	Line is Target of Allocations(Switch Sign)	Input()	Rollup with Path(Rate Base Adjustments,V:[Les	
	W	Total Deductions	Sum Down(T:[Less: Plant-Related Deferred Income	Sum Down(T:[Less: Plant-Related Deferred L	Sum Down(T:[Less: Plant-Related Deferred Inc	
	х		Label Only	Label Only	Label Only	Label Only
	Y	Other Jurisdictional Adjustments			Rollup with Path(Rate Base Adjustments,Y:[Oth	
	Z	1	Label Only	Label Only	Label Only	Label Only
	AA	Total Utility Rate Base	I:[Net Plant] + R:[Total Working Capital Items] + W	I:[Net Plant] + R:[Total Working Capital Item	I:[Net Plant] + R:[Total Working Capital Items]	
	AB	EndMethodCalls	Label Only	Label Only	Label Only	
	AC		Label Only	Label Only	Label Only	Label Only
	AD		Label Only	Label Only	Label Only	Label Only

One item to note related to If-tests – When an If-test is added to a Wide Group, the If and End-if are added to all reports. The user needs to enter the values to check in each report, or the code will give a compile error. Alternatively, if a certain report is not going to use the If-test, the user can change that line to a label. See below.

мм	Ref.	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base
	A	Rate Base	Place Holder for Entity Descri	-	-	Place Holder for Entity Descri
	В	Current Year	Current Year()	Label Only	Label Only	Label Only
	С	Start method	Label Only	Label Only	Label Only	
	D	Copy Rate Base before adjustments				Copy From Inside a Method(
	E	Copy Total Adjustments				Copy From Inside a Method(
	F	MethodReturns	Label Only	Label Only	Label Only	D:[Copy Rate Base before a
	G		Label Only	Label Only	Label Only	Label Only
	н	if	B:[Current Year] > 2015	Label Only	Label Only	Label Only
	I	Plant In Service	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base	
	J	Less Depreciation Reserve	Line is Target of Allocations(Input()	Rollup with Path(Rate Base	
	K	Net Plant	Sum Down(I:[Plant In Servic	Sum Down(I:[Plant In Servic	Sum Down(I:[Plant In Servic	
	L	end if	H:[if]	Label Only	Label Only	Label Only
	М			Label Only	Label Only	Label Only
	N	Materials and Supplies	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base	

Line Usage

The Wide Calculation Editor also includes the Line Usage panel, toggled on and off using the Recycle icon. Note that the panel includes the Report/Line information at the top, to highlight which report and which line is being edited.

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Fo	ormula Line - Rate Base per Books.G								
Li	ne Usage:	Formula	-	Line Visibility: Always sho	W		▼]		
м	Month to Annual: Ending Balance Annual to Month: Dollars (000) without Actuals								
	opy / Paste all Lines Label Formats Data Formats Month to Annual Annual to Month Formulas Viability Hide if another line=0 Copy Paste Copy Paste								
LC C		b 🛙 🕻 🛛 🗠 🙆 🖉 🚰 🛛) ž 🖳 🛯 🖳 🖉 🖉 🖉 🔛 🔜 🕙 For	mula/Source 🔻					
M	M Ref.	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base			
	A	Rate Base	Place Holder for Entity Description	Place Holder for Entity Descri	Place Holder for Entity Description	Place Holder for Entity Descri	*		
	В	Start method	Label Only	Label Only	Label Only				
] c	Copy Rate Base before adjustments				Copy From Inside a Method(
	D	Copy Total Adjustments				Copy From Inside a Method(
		MethodReturns	Label Only	Label Only	Label Only	C:[Copy Rate Base before a			
	E F		Label Only	Label Only	Label Only	Label Only	=		
	G	Plant In Service	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,G:[Plan				
	a	·	THE REPORT OF AN ADDRESS OF A DECK	*	nulling with publicate party additional statements of the				

Line Formatting Buttons

In the Wide Calculation view of the Calculation Editor, the formatting buttons are laid out as part of the Control button panel. Selecting the paintbrush icon toggles these on/off. Select a report and line to apply formatting using the icons.

		🔊 🖪 💿 🛐 🗟 🕄 Formula/Source 🔻
- Fi 🗅 🔍 🖓 👘 🖪 🔛 🐸 🗇 🔗	🖸 🛇 😂 🖬 🗗 2 U 🕶 🗖 🦷 🧠	🖉 📮 🔍 🔂 🙀 🐝 Formula/Source 🔻

мм	Ref.	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base
	A	Rate Base	Place Holder for Entity Description	Place Holder for Entity Descri	Place Holder for Entity Descri	Place Holder for Entity Description
	В	Start method	Label Only	Label Only	Label Only	
	С	Copy Rate Base before adjustments				Copy From Inside a Method(Rate Base per Books,A:[Rate Base])
	D	Copy Total Adjustments				Copy From Inside a Method(Rate Base Adj Total,A:[Rate Base])
	E	MethodReturns	Label Only	Label Only	Label Only	C:[Copy Rate Base before adjustments] + D:[Copy Total Adjustm
	F		Label Only	Label Only	Label Only	Label Only

Copy/Paste All Lines

The Wide Calculation has an additional set of Copy/Paste buttons that allow the user to copy key characteristics of lines in one report to another report. This panel is toggled on/off using the Copy All Lines icon. The items that can be copied are:

- Label Formats
- Data Formats
- Month to Annual
- Annual to Month
- » Formula
- Visibility
- Hide if Another Line = 0

Note that this action copies the selected setting or format to all lines in the destination report.

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Fo	rmula Line	- Rate Base per Books.G									
Lin	ne Usage:	Formula	Formula Line Visibility: Always show								
Mo	onth to Annual: Ending Balance 🔹 Annual to Month: Dollars (000) without Actuals 🔹										
ľ	Copy Paste Copy Paste										
		6 6 6 0 × < 0 4 0 1		mula/Source 🔻							
MM	4 Ref.	Line Name	Rate Base per Books	Rate Base Adjustments	Rate Base Adj Total	Rate Base					
	A	Rate Base	Place Holder for Entity Description	Place Holder for Entity Descri	Place Holder for Entity Description	Place Holder for Entity Descri					
	В	Start method	Label Only	Label Only	Label Only						
] C	Copy Rate Base before adjustments				Copy From Inside a Method(
] D	Copy Total Adjustments				Copy From Inside a Method(
	E	MethodReturns	Label Only	Label Only	Label Only	C:[Copy Rate Base before a					
] F		Label Only	Label Only	Label Only	Label Only	=				
		Plant In Service	Line is Target of Allocations()	Input()	Rollup with Path(Rate Base Adjustments,G:[Plan						
	1	D	COLOR TO THE REAL PROPERTY OF THE PROPERTY OF	******/	pulling with pullypule parts with descent of the						

Wide Reports in Regular Calculation Editor

The reports in a Wide Report group can also be individually edited or viewed in the regular Calculation Editor.

Users will need to do this if they need to assign postings or to use other functionality administered through the additional columns.

The user can this directly from within the Wide Calculation Editor, using the right-click option on the report name.

🔍 Wid	de Calcula	tion Editor								
Report	s in Wide R	eport Group [Right Click on Reports	For More Options]							
Select	Wide Repo	rt Group: Rate Base								
¢ [®]	Add Report	Rate Base per Books , Rate Base	e Adjustments , Rate ,	🔀 Rem	ove Report Time Data					
Formul	la Line - Ra	te Base per Books.AB		👯 Stan	dard Calculation Editor					
Line Us	sage:	Formula				-	Line Visibili	ty:	Always show	
Month	to Annual:	Ending Balance				•	Annual to M	1onth:	Dollars (000) without Actua	k
) 🛱 😣 🛰 \land 🚺 🐼 😫 🖬	biu 🖬		> 🔳 🕘 🔥 🗟 🚮 🔧 Fo	ormula/Source 💌				
MM Re	ef. Line	Name	Rate Base per Book	s	Rate Base Adjustments	Rate Base Adj To	tal	Rate B	lase	Ī
A		e Base	Place Holder for Ent	ty Descri	Place Holder for Entity Descri.					
B		ent Year	Current Year()		Label Only	Label Only		Label C	Only	
C		method	Label Only		Label Only	Label Only		_		
D		Rate Base before adjustments							rom Inside a Method(
E	Copy	Total Adjustments	1					Copy F	rom Inside a Method(

The selected report will then open in the regular Calculation Editor. However, note that the user can not add or delete lines, nor can they change line labels, since these are governed by the Wide Calculation Editor. The user will receive a warning message to this effect.

Report is a 'wide' Report	 X
You can not add, remove, or re-order lines 'Rate Base Adjustments' report. Use the Wide Calculation Editor.	
	OK

Below is the report in the regular Calculation Editor. Note that the buttons related to adding, deleting or moving lines are disabled. The other functionality is the same (e.g., Postings, additional columns, etc.).

Edi	liting: R	ate Base			-		
eler	ct Repor	t	Local Context:	Jurisdiction			
Renc	ort: 📄	Rate Base	K >> - Entity: Jurisd	iction EERC		🔹 🔗 Period: 🔹 🔸	2
pe							_
-							
_							
1	പ്പെ		d • 🛊 🔝 的 🧿 🖙 • 🔊 🖬 🖄 🖬) in a state of the state of th			
orn	mat Optio	ons					
			biu• PI	▋《〉【▌●▌	Сору		
_	-				1		
	Ref.	Line label	Formula-forecast	Formula-actual	Post: Case = Base Attribute	Local Context	Round
1	A	Rate Base	Place Holder for Entity Description	Place Holder for E			· ·
	В	Current Year	Label Only	Label Only			
	С	Start method					
1							
	D	Copy Rate Base before adjust	Copy From Inside a Method(Rate Base per Boo				
	DE	Copy Rate Base before adjust Copy Total Adjustments	Copy From Inside a Method(Rate Base per Boo Copy From Inside a Method(Rate Base Adj Tota				
	D E F						
	D E F G	Copy Total Adjustments	Copy From Inside a Method(Rate Base Adj Tota				
	E	Copy Total Adjustments	Copy From Inside a Method(Rate Base Adj Tota D:[Copy Rate Base before adjustments] + E:[C	•			
	E	Copy Total Adjustments MethodReturns	Copy From Inside a Method(Rate Base Adj Tota D:[Copy Rate Base before adjustments] + E:[C Label Only	Label Only			
	E	Copy Total Adjustments MethodReturns if Plant In Service	Copy From Inside a Method(Rate Base Adj Tota D:[Copy Rate Base before adjustments] + E:[C Label Only	Label Only			2
	E	Copy Total Adjustments MethodReturns	Copy From Inside a Method(Rate Base Adj Tota D:[Copy Rate Base before adjustments] + E:[C Label Only	Label Only			

Shared Calculations

UIPlanner allows users to have calculations that share lines. The reports share the lines as well as the formulas (distinct from wide reports, which share only the lines). This capability is available in both Financial Model calculations and multidimensional calculations. When a Financial Model shared report is opened in the Calculation Editor, this is indicated at the top of the screen.

Select Report Report Local Context: Bonds - Detailed Model Entity: Bonds - Detailed Model.CHI 5.5% Senior Notes due May 15, 2017								
)= Inj	out()							
8	29] 🗅 🕻 🖬 🗳 🔤 🗡	🖎 🖪 • 🛊 🖪 🗈 💽 • 💯 🗞) e E 🖹 🛅 🖬 🛨 🚿) 🖾 🖏 🗗	📓 🕒 🕙 🕐 Editing Bo	nds - Detailed Mo	odel
	at Opti					Editing Bo	nds - Detailed Mo	odel
Forr						Post: Case = Base Attrib		Round
Forr	nat Opti	DNS	biu·		Сору			
	nat Opti	DNS	biur Formula-forecast		Copy Formul		Local Context	

The Multidimensional Calculation Editor does not have the same top bar.

Compile Errors

A core strength of UIPlanner is how the calculation engine was built to allow users to construct business logic and then have it run quickly. This is accomplished by having UIPlanner 'compile' the business logic into running java code. However, if users construct a calculation that cannot be compiled into working java code, UIPlanner will give a 'compile error', and that calculation cannot be saved or run. Two more common examples are:

Invalid IF or ELSE-IF – if the user builds conditional logic that cannot be evaluated to True or False, this will give a compile error. See above under Conditional logic for more information.

IM	Ref.	Line lat	bel	Formula-forecast	Formula-actual	Post	Local Conte
	CW	Amort F	Factor - Sum of Life & Sink				0.0
	CX	IF					
	CY	Adjustr	nent to Factor	1			0.0
	CZ	End IF					
	DA	Amq ,	Compile Error	N			
	DB	Amc _		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
	DC	Amd 🗧					
	DC DD	1		DEMO\UIPlanner\UIPlanner\temp\MOD_GB	N_STAGE\autogen_calc_id1050	5case_id56vers	sion_id1.java (at l
		1	.45)	-	N_STAGE\autogen_calc_id1050	5case_id56vers	3ion_id1.java (at l
	DD	1	.45)	<pre>DEMO\UIPlanner\UIPlanner\temp\MOD_GF tailed Model-CX:[IF]*/)</pre>	N_STAGE\autogen_calc_id1050	5case_id56vers	sion_id1.java (at l
	DD DE	If Inter	.45) if(0/*Bonds - De ^	-	N_STAGE\autogen_calc_id1050	5case_id56vers	sion_id1.java (at 1
	DD DE DF	If Inter End T	.45) if(0/*Bonds - De ^	- tailed Model-CX:[IF]*/)	N_STAGE\autogen_calc_id1050	5case_id56vers	sion_id1.java (at l
	DD DE DF DG	If Inter End T	.45) if(0/*Bonds - De ^ Type mismatch: cannot co	- tailed Model-CX:[IF]*/)	N_STAGE\autogen_calc_id1050	5case_id56vers	sion_id1.java (at 1
	DD DE DF DG DH	If Inter End T	.45) if(0/*Bonds - De ^ Type mismatch: cannot co	- tailed Model-CX:[IF]*/)	N_STAGE\autogen_calc_id1050	5case_id56vers	pion_idl.java (at l
	DD DE DF DG DH DI	If Inter End Rear 1	.45) if(0/*Bonds - De ^ Type mismatch: cannot co	- tailed Model-CX:[IF]*/)	N_STAGE\autogen_calc_id1050:	5case_id56vers	sion_idl.java (at l
	DD DE DF DG DH DI DI DJ	If Inte End Rea Rea 1	.45) if(0/*Bonds - De ^ Type mismatch: cannot co	- tailed Model-CX:[IF]*/)	N_STAGE\autogen_calc_id1050	5case_id56vers	sion_idl.java (at l

Illegal start of Expression – if the user accidentally starts a UIPlanner formula with "=", this will give a compile error. See above under Formulas.

MM	Ref.	Line label	Formula-forecast	Formula-actual
	A		Place Holder for Entity Description	Place Holder for Entity Description
	В	if	1 = 1	
1000	С	Minimum Charge Calculation	Compile Error	X
[F]	D	Standard Charge (Service Charge + Energy Charge + Demand Charge)		
	E	Minimum Monthly Charge	C:\Users\TYOUNG~1\UIPlanner\temp\MOD_GEN_STA	GE\autogen_calc_id30626452case_id56version
	F	end if	id1.java:30: illegal start of expression	<pre>vals[13] = == vals[10] * vals[11]</pre>
[11]	G		/*Min/Max-N: [Maximum Monthly Charge]*/;execu	sted[13] = 1; ^ 1 error
	н	Minimum Charge		
	I		1	
1	J	Maximum Charge Calculation	1	
	к	Billing Energy	1	ОК
	L	Maximum Energy Rate	1	
	M	n na na		
	N	Maximum Monthly Charge	= K:[Billing Energy] * L:[Maximum Energy Rate]	
	0	Calculated Energy Charge	Input()	
	P			
	Q	Maximum Energy Charge	Min(N:[Maximum Monthly Charge],O:[Calculated Energy Charge])	
0	R	en en el de la casa en el la secterar en 1986.	n an Arbeir an Arbeir an Arbeir an an an an an Arbeir an Arbeir an Arbeir.	

Notes -

The Financial Model generates these compile errors right when the user tries to save the given report. Multidimensional calculations do not give the compile errors until the related rule set is actually run on the server.

Also note that compile errors relate to the syntax of the calculation, not to the validity of the result.

View Mode

Note that users can open the Edit calculations screen in View mode, by selecting View from the right click options above. In addition, under some circumstances users may only be able to open in View mode:

- » They do not have security to edit the selected calculation
- » The selected calculation is currently being edited by another user

In this case, most of the action buttons are grayed out and the user cannot make any changes. However, those buttons not related to report modifications are still enabled, such as:

- » Open Report
- Toggle Line Name On/Off
- Line Trace
- Edit Postings
- » Etc.

 Vie 	Viewing: O&M									
Selec	ct Report		Local Context: Planning Entity							
Repo	Report: 📄 0&M 🔹 🐨 🐨 Entity: Planning Entity. Chicago Electric 🔍 🔗 Period: 🔍 🔗									
(×)= Inp	≫=Input()									
	Image: Solutions Image: Solution Image: Solution <t< th=""></t<>									
					_					
MM	Ref.	Line label	Formula-forecast	Post						
	A	O&M	Place Holder for Entity Description							
	В		Label Only							
	С	Labor	Input()							
	D	Nonlabor	Input()							
	E	Benefits - Retired Medical	Input()							
	F	Benefits - Active Employees	Input()							
	C	Renefite - Pencion	Tonut/\							

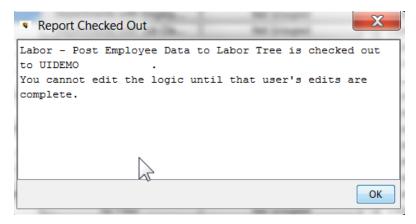
Report Lock

UIPlanner has built-in controls to ensure that only one user at a time can have a given report open for editing. This is to prevent conflicting edits. When a user opens a report for editing, the system creates an internal lock on the report; this lock is released when the user saves their changes and exits the Calculation Editor. In the meantime, other users cannot open that report for editing. Note that users can still open that report in View mode. Also, it does not prevent users from editing

other reports.

It is good practice to save and close the Calculation Editor when done. This will prevent situations like this.

Below is the message a user will get if they try to edit a report that is locked for editing.



Note that the User Preferences screen provides the capability to delete the User lock. However, the user who had the report open before will lose their unsaved changes. See User Preferences.

Manage Sequence Sets

	t Sequence Set to Manage											CI
uence Se	et: 🍫 Detail Model	▼ 🔗 Name: De	tail Model				📑 Create Seq	uence Set	🛛 🞧 Compile S	Sequence Set	Type: Model	
ect Repor	t Sequence Set Subset to Manage											
uence Su	ibset: O None Selected							_	🔗 🦳 🏫 Creat	e Sequence Subs	et /	Advanced Properties
	<u> </u>											· · · · · · · · · · · · · · · · · · ·
ail Model										_		
Add Existi	ng Report Sequence Create Ne	ew Report Sequence									🧮 Manage S	equence Set Groupin
eder Rep	orts		Financial	Reports				Ratios & St	atistics & Summ	nary Reports		
	d Reports 🔗 Search & A	dd 🛛 🗶 Remove Report		Add Reports	Search &	Add	🗙 Remove Report		d Reports	Search -	e Add	X Remove Report
Au		Kentove Report		au Reports	Ay search a	Auu	A Remove Report		iu Reports	A Search	ok Auu	A Remove Report
\sim	Move Down (ctrl-1)	ጰ Move Up (ctrl-2)		💙 Move Down (d	trl-3)	A N	1ove Up (ctrl-4)	¥	Move Down (c	trl-5)	A N	love Up (ctrl-6)
ıbset	Report	Looping Context	Subset	Report		Looping	Context	Subset	Report		Looping	Context
V	Global Assumptions	System Control			ollover & Interest	Planning			Income State	ment	Planning	
V	System-Wide Rates	System Control		Income State		Planning			Balance Shee		Planning	
v V	Utility Allocators	Utility		Balance Shee		Planning		v		Disbursements	Planning	
V	Jurisdictional Allocators	Jurisdiction	- V		al - Legal Entity	Legal Ent		v	Cash Flow	Diabaraementa	Planning	
~	Journal Entry	Planning Entity	- V		al - Jurisdiction	Jurisdicti		V V	Summary I/S		Planning	
V			V		Working Capital	Jurisdicti		V	Ratios & Stat			
V	Property Tax Other Operating Revenue	Planning Entity		Rate Base pe		Jurisdicti Jurisdicti		V V		atistics for Graphs	Planning	
V V		Planning Entity	- V					V	jsummary Sta	ausues for Graphs	Planning	Entity
	AFUDC Rates	AFUDC Rate Schedule		Rate Base Ad			onal Adjustments					
1	Book Depr Rates & Rules	Plant Account	V	Rate Base Ad	jiotal	Jurisdicti						
1	Construction	Model Project	V	Rate Base	F	Jurisdicti						
V	Plant Account Detail	Plant Account	V	Jurisdictional		Jurisdicti						
1	0&M	Planning Entity	V	Revenue Req		Jurisdicti						
1	Fuel Expense Report	Planning Entity	V	Goal Seek for		Jurisdicti						
1	ECA Fuel Clause Report	Fuel Clauses	V	Income Tax -		Planning						N
1	Electric Revenue Schedules	Electric Revenue Schedule	V	Cash Balancir	ng & Auto Financin	g Planning	Entity					2
1	Electric Revenue Summary	Planning Entity										. 0
1	Gas Revenue Schedules	Gas Revenue Schedule										
V	Gas Revenue Summary	Planning Entity										
1	Bonds - Detailed Model	Bonds - Detailed Model										
1	Common Stock	System Control										
1	Internal Div & Equity Contributions											
1	Schedule M Items	Planning Entity										
1	New Revenue	Electric Revenue Class										
1	Revenue Allocation	Electric Revenue Schedule										

The Manage Sequence Sets screen is used to create or modify report sequences/rule sets used in all implementations of UIPlanner. Users can

- Create new sequence sets these are typically called rule sets in Multidimensional implementations. See the Financial Model example above.
- >>> Create new report sequences these are the columns of reports/calculations in sequence sets
- Add or remove reports/calculations from sequence sets Note that for multidimensional rule sets, the user can also add or remove instruction sets or datasets from existing rule sets using the Administer Multidimensional Calculations screen
- Create sequence subsets For Multidimensional Rule Sets, these subsequences can be used to publish only certain datasets

Other capabilities of the Manage Sequence Sets screen include:

- » Setting iterations and tolerances for Financial Model sequences
- Defining relationships between Model and Multidimensional rule sets, for running B2 sequences, or for ledger accounts
- Compiling Sequence Sets (used for Validation Rule sets)
- Manage Sequence Set Groupings

These capabilities are on a sub-screen launched using the Advanced Options button.

tail Model							
erall Iterations for Sequence Set	: 1	Target Dataset Seq:	⁴ ∕₂ Allocations	▼ Ledger Dataset:	ully Allocated Budget		
		Acct-Rollup Dataset:	O Related Scenario Required	▼ Run After Model Run: O	Do Not Run After		
Feeder Reports Overall Iterations to run-number	r or 'max'	Financial Reports Overall Iterations to run-nur	nber or 'max'	Ratios & Statistics & Summa Overall Iterations to run-nur			
Min, max:		Min, max:		Min, max:			
≪ Left	➢ Right	≪ Left	➢ Right	≪ Left	> Right		
Remov	e Sequence	Re	move Sequence	Remove Sequence			
Sequence Tolerance & Iteration	s	Sequence Tolerance & Itera	tions	Sequence Tolerance & Iterations			
Tolerance: 1	Iterations: 1	Tolerance: 10	Iterations: 50	Tolerance: 1	Iterations: 1		
Iterate Across or Down		Iterate Across or Down		Iterate Across or Down			
Across	Down	Across	Own	Across	Down		
Select 'Blue Dot' Reports to limit For example, you may have com		For example, you may have	limit entities to run for sequence company-specific reports mixed with	For example, you may have	limit entities to run for sequence		
generic reports, and you may w run just one company. Note: th	ant to restrict the generic reports to e 'Blue Dot' report may turn entities		y want to restrict the generic reports to the 'Blue Dot' report may turn entities:		y want to restrict the generic reports t e: the 'Blue Dot' report may turn entities		
generic reports, and you may w run just one company. Note: th off, but does not turn entities on	ant to restrict the generic reports to e 'Blue Dot' report may turn entities	run just one company. Note	y want to restrict the generic reports to the 'Blue Dot' report may turn entities:	run just one company. Note	y want to restrict the generic reports t e: the 'Blue Dot' report may turn entities		
generic reports, and you may w	ant to restrict the generic reports to e 'Blue Dot' report may turn entities	run just one company. Note off, but does not turn entitie	y want to restrict the generic reports to : the 'Blue Dot' report may turn entities s on.	run just one company. Note	ay want to restrict the generic reports to e: the 'Blue Dot' report may turn entities s on.		

Access to the Manage Sequence Sets screen is via the menu item. Typically System Administrators control access to the Manage Sequence Sets screen using Menu Profiles. Additionally, the right to create sequences is an Administrative option.

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Core Object Editor

The UIPlanner Core Object Editor screen is the primary screen for viewing and editing object data within UIPlanner. Certain functions of this screen (e.g., Delete, Visibility, Admin Locks etc.) are typically reserved for system administrators.

Core Object Editor ×			
Select Objects to Edit			
Object Type: Entity	• 🖉 🔳	Filter By: 🖶 Planni	ng Entity 🔹 🗸
Object ID Interface Codes Delete	Owner Group Visibility Case-Name Ord	er Instance-Name/Code/Order Data Finder	Alerts Admin Locks
Find an Object Id:			
Object Name	Object ID	Trait ID	Default Parent
Chicago Electric	2024	7	Planning Entity
Chicago Gas	2031	8	Planning Entity
Chicago Nonutility	2038	9	Planning Entity
SWEGCO Electric	2045	10	Planning Entity
SWEGCO Gas	2052	11	Planning Entity
SWEGCO Common	2059	12	Planning Entity
Acquisition Co	30617650	25	Planning Entity
Tri-State Parent	2017	6	Planning Entity
Tri-State Elim	2010	5	Planning Entity
Tri-State Consol	2003	4	Planning Entity
UI Intl	2087	16	Planning Entity
UI Services	2073	14	Planning Entity
Electric Segment Elim	30559388	19	Planning Entity
Electric Segment Consol	30559387	18	Planning Entity
Gas Segment Elim	30559390	21	Planning Entity
Gas Segment Consol	30559389	20	Planning Entity
Other Segment Elim	30559393	24	Planning Entity
Other Segment Consol	30559392	23	Planning Entity
Top-Level Segment Elim	30559391	22	Planning Entity
UI Energy Elim	1989	2	Planning Entity
UI Energy Consolidated	1982	1	Planning Entity

Screen Layout

The Core Object Editor is comprised of two regions and eleven tabs. The top region, **Select Objects to Edit**, is used to set and limit the objects that appear in the lower, primary region of the screen.

Object Type – This dropdown list contains an extensive list of over 130 different object types in UIPlanner. Commonly used objects include entity groups, entities, scenarios, cases, calculations, and rule sets/sequence sets. However, there are many other categories of objects, such as attribute definitions, menu items, or specific checkboxes on screens.

Once a specific Object Type has been selected, the Filter By dropdown will list all objects of that type. In the example below, when Entity is selected in the Object Type dropdown, the Filter By dropdown shows all Entity Groups.

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Sore Object Editor	
Select Objects to Edit	
Object Type: Entity	🖌 🖉 🗌 💭 👘 👘 Filter By: 🕓 Select an Entity (or Edit) Group 🗸 🖉
DeriveRule	
Object ID InteEditGroup	stance-Name/Code/Order Data Finder Alerts Admin Locks
Show Abbre Entity	
EntityGroup	
Instance DefauEntitySelection	Name in Case: Base Attribute Case
EntityVersioningDefinition	
ExcelFormulaWorkbook	
ExcelGraphingPackage	
ExportDefinition	
FilterDimension	v

Ore Object Editor ×				
Select Objects to Edit				
Object Type: Entity		🔲 🔲 🔲 📄 Filter By: 🖶 Plan	ning Entity	A
Object ID Interface Codes Delete Ov	wner Group Visibility Case-Name Order Instance-Name,	Code/Order Data Finder Alerts		×5
Show Abbreviations rather than nam		🖶 Lega		
Instance Default Name	Winner		ning Entity	
Chicago Electric	Chicago Electric	Chicago Electric 🖶 Plant	t Account	E
Chicago Steam	Chicago Gas	Chicago Gas 🌐 Plant	t Types	
Chicago Nonutility	Chicago Nonutility	Chicago Nonutility 🌐 Secu	rity Groups	
SWEGCO Electric	SWEGCO Electric	SWEGCO Electric 🖶 Segr		
SWEGCO Gas	SWEGCO Gas		em Control	-
SWEGCO Common	SWEGCO Common	SWEGCO Common		
Suburban Gas	Suburban Gas	Suburban Gas		
Acquisition Co	Acquisition Co	Acquisition Co		
Tri-State Parent	Tri-State Parent	Tri-State Parent		
Tri-State Elim	Tri-State Elim	Tri-State Elim		
Tri-State Consol	Tri-State Consol	Tri-State Consol		
Prairie Gen	Prairie Gen	Prairie Gen		
UI Services	UI Services	UI Services		
UI Energy Parent	UI Energy Parent	UI Energy Parent		
UI Energy Elim	UI Energy Elim	UI Energy Elim		
UI Energy Consolidated	UI Energy Consolidated	UI Energy Consolidated		

The flashlight icon opens a text search dialog to facilitate searching the object type list.

	Entity ▼
Trait ID	Filter
7	Select Filter: plan
8	Model Planning Entity
9	Planning Entity
10	Plant Account
11	
12	
25	🖶 Plant Units
6	💾 Plants
5	Resource = Plant Additions
4	Resource = Plant In-Service Ending Balance
16	Y Resource – Flanc II-Service Ending Balance
14	OK Cancel
19	
18	Planning Entity
21	Planning Entity
20	Disaster Cattle

User Preference – Entity Group

By default, the selection of Owner Group on the Core Object Editor is remembered as a user preference. There us a Planner Property to NOT remember this as a user preference.

Budget Properties	Iodel Properties 👿 System Properties 📄 Customer Revenue Properties 📄 Client Properties 📝 Search				
System: Keep Entity-G	System: Keep Entity-Group Preference When Viewing Entities on The Core Object Editor				
	Property Type: Boolean YES for ON Required Input? no Allow Group Override? no				
Default Value	YES				
System Database Value					
Value to Use	YES				
	Update				

If this is set to NO, the user will be prompted to select an Entity Group upon opening the Core Object Editor.

🕕 One Parameter Editor 🗴 😥 Design Switchboard 🗴 📄 Switchboard 🗴	Sore Object Editor 🗴	
Select Objects to Edit		· · · · · · · · · · · · · · · · · · ·
Object Type: Entity	→ → → → → → → → → → → → → → → → → → →	an Entity (or Edit) Group

Preset Filter Checkboxes – To make it easier to manage the Object list there are a set of predefined filters that can be used to limit the list according to some common usages. When a filter checkbox is selected, the list will be limited to that group. In

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order to preserve screen real estate, the checkboxes do not have visible labels but are instead given tooltip descriptions. Below is the Model Objects – basic list.

◎ Core Object Editor ×			
Select Objects to Edit			
Object Type: Account		Filter By: O None	✓ A
Account	▲ <u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>		
Object ID InteAccountRollup	se-Na Model Obje	cts - basice/Code/Order Data Finder	Alerts Admin Locks
AttributeDefinition			
Find an Object D InteAccountRollup AttributeDefinition Calculation	=		
Object Name Case		Trait ID	Default Parent
sys-Cash (Bala EntityGroup		1	sys-Asset
Object Name Entity sys-Cash (Bala EntityGroup sys-Cash Flow Line	v	2	sys-Cash-InDirect (Cash Flow)

The current preset filters are:

• Model Objects - basic. This list is comprised of the ten most commonly used Model objects, as shown above.

• **Model Objects – extended**. This list is comprised of over twenty lesser used Model objects, including Allocation Paths, Allocation Schemes, Report Sequence Sets, and Wide Report Groups.

• **Budget Objects – basic**. This list is comprised of the seven most commonly used Budget objects, including Attribute Definition, Calculation, Case, Scenario, Entity and Entity Group

• **Budget Objects – extended**. This list is comprised of the remaining 100+ objects that are used in Budget/B2 implementations.

• System Objects – This list is comprised of key system objects, including Calculation Function, Menu Profile, Q2 and UI Menu Item.

The other two of the checkboxes are reserved for future use.

More than one preset filter box can be checked, as the filters are combinable. If no preset filter checkbox is selected, all object types are listed in the Object Type dropdown list.

Filter By

This dropdown list is limited by the **Object Type** selection. For example, when Object Type "Report" is selected, the Filter By list will include report groups. The user can choose to filter by a particular report group to limit the list of reports that appear in the bottom region of the screen. If no filter is selected, all reports will be listed. As another example, when "Entity" is selected in Object Type, the Filter By list will include Entity Groups to filter the entities by. In some cases there are no additional filtering options available. The flashlight icon opens a window to easily search the object group options.

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The Core Object Editor allows the user to filter entities by Entity (Silver) filters. The silver filters are listed after the Entity Groups. The objective of this feature is to make the Core Object Editor usable for implementations with very long entity lists (> 200,000).

Select Objects to Edit Object Type: Entity		• 🔗 🗆 🗖 🗖 🖉 Filter Br:	Plant Guideline = E350 to E359 (Transmission) (Locked)]
Object ID Interface Codes Delete Owner Group	Visibility Case-Name Order I	nstance-Name/Code/Order Data Finder Alerts Admin Lo	ds	
Object	Winner	Base Attribute Case	Budget Common Attributes	Budget Specific
E353: E-353 Transm Station equipment	true	true	true	true
E352: E-352 Transm Structures and improvements	true	true	true	true
E355: E-355 Transm Poles and fixtures	true	true	true	true
E356: E-356 Transm Overhead conductors and dev	true	true	true	true
E350: E-350 Transm Land and land rights	true	true	true	true
E354: E-354 Transm Towers and fixtures	true	true	true	true
E358: E-358 Transm Underground conductors and	true	true	true	true
E357: E-357 Transm Underground conduit	true	true	true	true
E359: E-359 Transm Roads and trails	true	true	true	true

Filter by Cases

The filtering for Cases in the Core Object editor has some extended options. Along with the actual case list, there are filters

for Case Type (Attribute, Logic, etc.), as well as two special filters.

• Cases not in any scenario - this lists all cases that are not included in any scenario in the current Version. This can be very

helpful when cleaning up unused cases.

• Cases in Current Scenario - this limits the case list to cases used in the current scenario.

Sore Object Editor ×			
Select Objects to Edit			
Object Type: Case	Filter By:	○ Select arçase Group or Type 💌	1
		Select a Case Group or Type	
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order Instance-Name	e/Code/Order Data Finder .	Cases not in any scenario	
Show Abbreviations rather than name		O Cases in current scenario	
		S Actuals	
Instance Default Name	Name	S 2016 Official Budget	
UIDEMO Temp Data	1	S 2015 March Reforecast	
Forecast 2012 - Actuals through April Attributes	Forecast 2012 - Actuals thr	S Working Forecast	
Forecast 2012 - Actuals through April Data	Forecast 2012 - Actuals thr	S Detail Model 2015-2019 Base Plan	
2012 Budget Tree	2015 Tree	S Detail Model 2015-2019 Defer CapEx	
Base Attribute Copy	Base Attribute Copy	S Detail Model - Goal Seek Revenue	
2013 February Forecast Attributes	2013 February Forecast At	O Detail Model - Goal Seek Revenue Actuals Merge 2012 - 2015 [Forecast]	-
Actuals Attributes			
2013 Official Budget Attributes 2013 February Forecast Data	2013 Official Budget Attribu 2013 February Forecast Da		
Actuals Data	Actuals Data		
2013 Official Budget Data	2015-2019 Official Budget I		
What-If Scenario Attributes	What-If Scenario Attributes		
What-If Scenario Data	What-If Scenario Data		

Orphan Entities

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Orphan entities, e.g., entities that may remain after their entity group has been deleted, can be identified using the Filter By list. To find orphan entities, select "Entity" in the Object Type dropdown list. Then, scroll to the bottom of the Filter By dropdown list to select "Orphan Entities."

Ore Object Editor ×							
Select Objects to Edit	Select Objects to Edit						
Object Type: Entity 🗸 🖉 🖉 🖉 🖉 🖉 Filter By: Orphan Entities V 🖓 🤩							
Object ID Interface Codes Delete	Object ID Interface Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks						
Find an Object Id:							
Object Name	Object ID	Trait ID	Default Parent				
01: YES	40212401	1					
02: NO	40212402	2					
03: MAYBE	40212403	3					

Load attribute data from server – If running Middle Tier, the down arrow button in the right-hand corner refreshes the results of the selected tab.

The bottom region of the Core Object Editor screen contains eleven tabs. Each tab displays a different screen panel. All tabs have the right click options to export to Excel or HTML, or to search the tab. Several also have Edit in Excel capability.

Access to several of the tabs on the Core Object Editor are Administrative options, and are controlled from the Model Security screen.

Administrative Options:	
Manage Versions	Set Password
V Delete Case	Delete Other Objects
✓ Set Order	Set Visibility
Edit Instance Row-Name/Code/Order	Manage Planner Properties
Manage Menus	Archive Cases/Versions
Set Alerts	Hard-Delete Lines
Publish Scenarios	📝 Set Owner Groups
Edit Attributes - Administrative Options	

If the user does not have these rights, the respective tabs are disabled.

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Sore Object Editor				
Select Objects to Edit				
Object Type: Entity		Filter By: 🖶 Planning Entity 🔹		
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order I	instance-Nan	ne/Code/Order Data Finder Alerts Admin Locks		
Object	Alert?	Alert message		
You do not have the security admin right to change alerts				

Object ID Tab

The Object ID tab is a key reference tab. Users will often consult this tab to find the Object ID for an object, or conversely, given an Object ID (e.g., from the Java Console) to find out what Object it relates to. The Object ID tab has four column headers:

Object Name – The name of the object (winner)

Object ID - The unique internal identifier assigned to that object when it was created

Trait ID - The internally assigned identifier used for easier indexing of objects in large lists

Default Parent – The group that the object is a member of.

Note: The information on the Object ID tab is not editable.

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Select Objects to Edit				
Object Type: Entity		🗌 🔲 🔲 🔲 Filter By: 🖶 Planning	a Entity	▼ ,
			J Entry	
biert ID Interface Codes Delete	Owner Crown Misibility Case Name Or	der Instance-Name/Code/Order Data Finder	Alarta Admin Lacka	
Interface Codes Delete	Owner Group Visibility Case-Name Or	der Instance-Name/Code/Order Data Finder	Alerts Admin Locks	
Find an Object Id:				
Object Name	Object ID	Trait ID	Default Parent	
Chicago Electric	2024	7	Planning Entity	
Chicago Gas	2031	8	Planning Entity	
Chicago Nonutility	2038	9	Planning Entity	
SWEGCO Electric	2045	10	Planning Entity	
SWEGCO Gas	2052	11	Planning Entity	
SWEGCO Common	2059	12	Planning Entity	
Acquisition Co	30617650	25	Planning Entity	
Tri-State Parent	2017	6	Planning Entity	
Tri-State Elim	2010	5	Planning Entity	
Tri-State Consol	2003	4	Planning Entity	
UI Intl	2087	16	Planning Entity	
UI Services	2073	14	Planning Entity	
Electric Segment Elim	30559388	19	Planning Entity	
Electric Segment Consol	30559387	18	Planning Entity	
Gas Segment Elim	30559390	21	Planning Entity	
Gas Segment Consol	30559389	20	Planning Entity	
Other Segment Elim	30559393	24	Planning Entity	
Other Segment Consol	30559392	23	Planning Entity	
Fop-Level Segment Elim	30559391	22	Planning Entity	
UI Energy Elim	1989	2	Planning Entity	
UI Energy Consolidated	1982	1	Planning Entity	

To find the identity of a given Object ID, type it in the text box next to Find an Object Id. If it is a valid object, the tab will list its Group and name. Click Find to change to the appropriate group and find the individual object.

Ore Object Editor ×						
Select Objects to Edit						
Object Type: Entity 🗸 🖉 🗌 👘 👘 👘 Filter By: 🖶 Planning Entity 🔹 🔗						
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks						
Find an Object Id: 24876 Report: Common Stock << Find						
Object Name	Object ID	Trait ID	Default Parent			
Chicago Electric	2024	7	Planning Entity			
Chicago Gas	2031	8	Planning Entity			
Chicago Nonutility	2038	9	Planning Entity			
SWEGCO Electric	2045	10	Planning Entity			
SWEGCO Gas	2052	11	Planning Entity			
SWEGCO Common	2059	12	Planning Entity			
Acquisition Co	30617650	25	Planning Entity			
To: Chata Descat	0017		Disaster Cattle			

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Ore Object Editor ×			
Select Objects to Edit			
Object Type: Report		Filter By: None	▼]&
Object ID Interface Codes Delete Owner G	roup Visibility Case-Name Order Instance-N	ame/Code/Order Data Finder Alerts Admin L	ocks
Find an Object Id: 24876 Repor	t: Common Stock Stock		
Object Name	Object ID	Trait ID	Default Parent
Check Project Against Approved Amount	30710053	0	
Closings Reasonable?	30595857	0	
Commitment Tracking - Project	30723083	0	
Common Stock	24876		
Construction	11407	0	
Cost of Capital - Jurisdiction	21222884	0	
Cost-of-Capital - Legal Entity	13759	0	
Create Labor Input Rollup	30676452	0	
Create O&M Tree	30665253	0	
Daily Cach Opening Actuals	20004020	n	

Interface Codes Tab

This tab displays Interface Codes for the selected objects (entities, reports, lines, etc.). Interface Codes are used by the Financial Model to facilitate importing data (see Model Import for more information.)

The Interface Cases (both Import and Export cases) are shown as columns. This screen can be used to view or edit the existing interface codes or to add new codes. The example below shows the Interface Codes assigned to the various Planning Entities (in the Import Demo interface case).

Select Objects to Edit				
Object Type: Entity		🔲 🔲 Filter By: 🌐 Planning Entity	•	Load Data
Object ID Interface Codes Delete	Owner Group Visibility Case-Name	Order Instance-Name/Code/Order Data Fi	nder Alerts	
Filter to Case Group: All Ca 🔻				
Planner Object	Export Mapping	Import Demo	Import Mapping	
UI Energy Consolidated		UIEC		
UI Energy Elim		UIEE		
UI Energy Parent		UIEP		
Tri-State Consol		TSC		
Tri-State Elim		TSE		
Tri-State Parent		TSP	0	
Chicago Electric		CE	0	
SWEGCO Electric		SWE		
SWEGCO Gas		SWG		
Suburban Gas		SG		
Acquisition Co		ACO		
Prairie Gen		PG		

Edit Groups – note that when there is more than one Interface Code assigned to an object, they are in a Group. In this case, this indicated in the grid – right click on the cell tagged as << Right Click to Edit Group >>.

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Core Object Editor ×				
Select Objects to Edit				
Object Type: Account			Filter By: O None	9
Object ID Interface Codes Delete Owner	er Group Visibility Case-Name Order In	stance-Name/Code/Order Data Finder	Alerts Admin Locks	
Filter to Case Group: All Cases	▼			
Planner Object	Export Mapping	Import Demo	Import Mapping	
127.0 127.0 Amortization fund - Feder		127		
128.0 128.0 Other special funds.		128		
131.0 131.0 Cash.		<< <right click="" edit="" group="" to="">>></right>		
132.0 132.0 Interest special deposits.		132		
133.0 133.0 Dividend special deposits.	<u> </u>	133		
134.0 134.0 Other special deposits.		1124		
135.0 135.0 Working funds.	Assign Interface Code:	s: (Import Demo) 131.0 131.0 Ca	sh.	X
136.0 136.0 Temporary cash investme	. Select List of Interface Code			
141.0 141.0 Notes receivable.		es to Associate		
142.0 142.0 Customer accounts receiv		💢 Clear List		
143.0 143.0 Other accounts receivable.				
144.0 144.0 Accumulated provision for Enter or Paste Interface Codes - separated by tabs or carriage returns				
145.0 145.0 Notes receivable from ass				
146.0 146.0 Accounts receivable from				
151.0 151.0 Fuel stock.	Add>>			
152.0 152.0 Fuel stock expenses undis				
153.0 153.0 Residuals and extracted p				
154.0 154.0 Plant materials and opera	Interface Codes			
155.0 155.0 Merchandise.	130			
156.0 156.0 Other materials and suppl				
157.0 157.0 Nuclear materials held for				
158.1 158.1 Allowance inventory.	4			
158.2 158.2 Allowances withheld.				
163.0 163.0 Stores expense undistribu	4			ОК
164.1 164.1 Gas storedcurrent.				
164.2 164.2 Liquofied natural days stor				

Assign Interface Codes Dialog

The Assign Interface Codes dialog allows the user to add or delete interface codes, and to sort the list.

 Assign Interface Codes: (Import Demo) 131.0 131.0 Cash. 	
Select List of Interface Codes to Associate	
Add Code 🖉 Delete Code 🖓 Alphabetize 🖾 Select Cod 🗶 Clear List	
Enter or Paste Interface Codes - separated by tabs or carriage returns	
Add>> 131.01 131.02 131.03	
Interface Codes	
130	
131.1 131.2	-
OK	

To add codes

- Type them into the text box
- Use cut/paste to paste long lists
- If the codes already exist in a tab-delimited list, use the Select Codes button

Then hit the Add>> button to add them to the list

To delete codes

Select it in the list below and hit the Delete Code button

To clear the list

Hit the Clear List button

To sort the codes alphabetically

Hit the Alphabetize button

Edit in Excel

When done, hit the OK button.

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Interface Codes can also be edited in Excel by right-clicking the header row and selecting Edit in Excel. Note that only individual interface codes and be edited in Excel, not groups.

List Interface Codes on the Left and Planner Objects on the Right

If there are a large number of objects and interface codes for a specific Object Type, there is a right-click option to flip the screen display to show the Interface Codes on the left and the Objects on the right. This makes it easier to search for a specific interface Code.

Sore Object Editor ×				
Select Objects to Edit				
Object Type: Account		Filter By: O None	•	•
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order	Instance-Name/Code/Order Data Finder A	lerts Admin Locks		
Filter to Case Group: All Cases				
Planner Object Export Mapping	Import Demo	Import Mapping	Monte Carlo	
127.0 127.0 Amortization fund - Feder	127			
128.0 128.0 Other special funds.	128			
131.0 131.0 Cash.	<< <right click="" edit="" group="" to="">>></right>			
132.0 132.0 Interest special deposits.	132			
133.0 133.0 134.0 134.0 Edit Group				$\exists \parallel$
135.0 135.0 List Interface Codes on the Left And Planner Objects	on the Right			
136.0 136.0 remporary asin invesurie	Click to Edit Group>>>			=
141.0 141.0 Notes receivable.	141			
142.0 142.0 Customer accounts receiv	<< <right click="" edit="" group="" to="">>></right>			

Note that this format cannot be edited in Excel. Only the format with objects down the left and cases across the top can.

Core Object Editor ×	
Select Objects to Edit	
Object Type: Account	▼ 🔗 🔽 🗖 🗖 🗖 Filter By: ○ None
Object ID Interface Codes Delete Owne	er Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks
Filter to Case Group: All Cases	
Interface Code	Export Mapping Import Demo Import Mapping
216 216.1 217 221 222 222 223 224	br/cr sys-Retained Earnings br/cr 216.1 216.1 Unappropriated undistr br/cr 217.0 217.0 Reacquired capital stock. br/cr 221.0 Bonds br/cr 222.0 222.0 Reacquired bonds. br/cr 223.0 223.0 Advances from associa
224 225 226 227 228.1 228.2 228.3 228.4 229	Unsupported Format X You must have the codes on the right to edit in MS-Excel. Change your table format and try again. OK
230 231	^{or} cr 230.0 230.0 Asset Retirement Oblig ^{or} cr 231.0 Notes Payable

Duplicate Interface Codes error message

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UIPlanner does not allow the same Interface Code to be used more than once in an Import Interface Case (duplicates ARE allowed in Export Interface Cases). If duplicates exist in an Import Interface Case, when an import was done the system would not know which object to assign it to.

Score Object Editor			
Select Objects to Edit			
Object Type: Entity	▼ 🔗	Filter By: 🔁 Pla	nning Entity
Object ID Interface Codes Delete Owner Grou	p Visibility Case-Name Order Instance-Name	/Code/Order Data Finder Alerts Admin Locks	
Filter to Case Group: All Cases			
Planner Object	Export Mapping	Import Demo	Import Mapping
Chicago Electric		CE	Í
Chicago Gas		CS	
Chicago Nonutility		CN	
SWEGCO Electric		SWE	
Suburban Gas		SG	
Acquisition Co		CE	
Tri-State Parent			
Tri-State Elim			
Tri-State Consol			
Prairie Gen		PG	
UI Services		UIS	
UI Energy Parent			

When the system detects a duplicate, the user is presented with the following warning message. The user can choose to delete the incorrect mapping right on the screen.

Remove duplicate interface code?				
Duplicate interface code: 'CE' in case: Import Demo				
Select object to remove code:				
Entity: Chicago Electric in entity group: Planning Entity				
Entity: Acquisition Co in entity group: Planning Entity				
Remove Cancel Don't show this screen again (this session)				

Delete Tab

The Delete tab is used to delete objects from the UIPlanner database for the current Version. Care should be taken when using this tab. When an object is deleted, it is removed from the Zero case and from every Case and Scenario in the current Version. Once an object is deleted, it cannot be recovered. Simple objects (such as entities) might be able to be recreated manually or reimported, but all references would need to be rebuilt. Inadvertent deletions can produce compile errors, runtime errors, and yield invalid results. It is recommended that :

- Delete rights be limited to System Administrators
- » Make use of the Visibility flag to test the possible impact of a deletion
- >>> Use Visibility rather than Delete, to ensure no impacts on other scenarios in the version

🧙 Report Adr	ministration ×	S Manage Scenarios x 🖉 Core Object Editor x 🚺 Define Multidimensional Wrappers x 🐼 Multidimensional Calculations x 🖶 Edit Attributes x 🕕 One Parameter Editor x 🗄 Manage Menus x 🖗 Kenario Task Manag	er
Select Object	ts to Edit		
Object Type:	Entity	√ / □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □)
Object ID In	nterface Codes	Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks	
Different dat	tabases have dif	fferent tolerances for large delete statements.	
Select All	Un-selec	t All Maximum number of objects to delete: 99 This limits deletes for all objects - you can't delete 99 entities and 99 cases in one save.	
Delete	Visible	Object	
		1+137: Level +137	•
		14-138: Level 4-138	
V		L4-139: Level +139	
\checkmark		4-13: Level 4-13	
		L4-140: Level 4-140	
-		L	

Use **the Object Type** and **Filter B**y fields as needed to limit the list of objects. Check the boxes in the **Delete** column for the objects to be deleted. Objects marked will be deleted upon hitting the **Delete Now** button. This tab has an additional column that shows the Visibility setting for each object in the list. This can be an aid in managing the delete process. Users will occasionally turn off visibility of objects that will later be deleted. This designation of not visible in this tab may support the deleting process. To set the visibility, see the **Visibility** tab.

neport Adm	ninistration ×	S Manage Scenarios x 🚱 Core Object Editor x 🙆 Define Multidimensional Wrappers x 🕸 Multidimensional Calculations x 🖶 Edit Attributes x 🕕 One Parameter Editor x 🗄 Manage Menus x 🕲 View Reports x 🗞 Scenario Task Manag	er		
Select Objects	to Edit				
Object Type:	bject Type: Entity 🗸 🖉 🛛 🖓 👘 🖓 Filter By: 🌐 Dummy Level 4 🗸 🖓 🚱 🔞				
Object ID In	terface Codes	Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks			
Different data	abases have dif	ferent tolerances for large delete statements.			
Select All	Un-selec	t All Maximum number of objects to delete: 99 This limits deletes for all objects - you can't delete 99 entities and 99 cases in one save.			
Delete	Visible	Object			
		L4-137: Level 4-137			
		14-138: Level +138	Ξ		
V		14-139; Levil +139			
V		14-13: Level 4-13			
		L4-140: Level 4-140			
	1				

To delete objects, use the checkboxes to mark them for deletion. To mark all objects in a group, use the **Select All** buttons. Marking items for deletion creates an attribute row for every entity x table x system combo.

To see the items marked for deletion, use the View Pending Deletes button

Object	Shared Tables System	Database table	Status	
ev 4-165	REGULATORY	UIP_ATTRIBUTE	Flagged for deletion	
evel 4-165	REGULATORY	UIP_COMMENTS	Flagged for deletion	
evel 4-165	REGULATORY	UIP_ROLLUPS	Flagged for deletion	
evel 4-165	REGULATORY	UIP_TIME_DATA	Flagged for deletion	
evel 4-165	FORECAST	UIP_ATTRIBUTE	Flagged for deletion	
evel 4-165	FORECAST	UIP_COMMENTS	Flagged for deletion	
evel 4-165	FORECAST	UIP_ROLLUPS	Flagged for deletion	
evel 4-165	FORECAST	UIP_TIME_DATA	Flagged for deletion	
evel 4-165	Shared	SHARED_TABLES_UIP_INSTANCE	Flagged for deletion	
evel 4-166	REGULATORY	UIP_ATTRIBUTE	Flagged for deletion	
evel 4-166	REGULATORY	UIP_COMMENTS	Flagged for deletion	
evel 4-166	REGULATORY	UIP_ROLLUPS	Flagged for deletion	
evel 4-166	REGULATORY	UIP_TIME_DATA	Flagged for deletion	
evel 4-166	FORECAST	UIP_ATTRIBUTE	Flagged for deletion	
evel 4-166	FORECAST	UIP_COMMENTS	Flagged for deletion	
evel 4-166	FORECAST	UIP_ROLLUPS	Flagged for deletion	

To delete the items immediately, use the **Delete Now** button.

To mark the items for later deletion using the Delete Marked Objects Task Function, use the **Mark for Batch Delete** button. A confirm dialog appears when shared entities are marked.

- » The user must have security rights to the delete the entity group
- If the objects are Shared, the user must also have rights to delete shared objects, as configured on Model Security.
 ①

To unmark the selected items, hit the Unmark For Deletion button.

The enterprise database configuration may have a limit on the number of deletes in a single action. In order to accommodate this, the user can set a maximum number of objects that can be deleted at one time by typing a value next to **Maximum number of objects to delete**. When this number is set, it is global for all users and applies to all objects that can be deleted using the Core Object Editor, not just the objects currently filtered.

Notes:

- » An Entity Groups cannot be deleted if it has members. To delete an entity group, first delete its members
- » A case cannot be deleted if it is in the active scenario.
- A locked case cannot be deleted
- » A locked scenario cannot be deleted

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There is a Planner Property to enable this feature. It defaults to off. Also note if using Shared Tables, each system must have its own Middle Tier server to use the feature.

Budget: Enable batch delete of objects. (Requires MT server for all systems.)				
	Property Type: Boolean YES for ON	Required Input? no	Allow Group Override? yes	
Default Value	NO			
System Database Value	YES			
Value to Use	YES			
	Update			

Owner Group Tab

The **Owner Group** tab is used to assign Owner Groups to objects in the system. Owner Groups can be added to any object by clicking the Owner Group column on the desired line. A list of Owner Groups will be displayed for selection. Owner Groups can be edited in Excel by right-clicking the header row and selecting **Edit in Excel**.

♥ Core Object Editor ×	
Select Objects to Edit	
Object Type: Report	Filter By: None
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order Inst	ance-Name/Code/Order Data Finder Alerts Admin Locks
Object	Owner Group
Derive Source	
Derive Unit Type	
Earnings Growth	
ECA Fuel Clause Report	Model Administrators
Electric Revenue Schedules	Model Administrators
Electric Revenue Summary	Model Administrators
rror Tree	
rrors	
Errors	
Factors	
Filter Loadings from Allocation Results	
Fuel Expense	Model Administrators
Fuel Expense Report	Model Administrators
Fully Allocated Budget	
Gas Revenue Schedules	Model Administrators
Gas Revenue Summary	Model Administrators
Generate O&M Records	Model Administrators
Global Assumptions	Regulatory Administrators
Goal Seek for Rate Relief	Regulatory Dept
Hourly Rates by Department	System-Wide Administrators
income Statement	
Income Tax - Federal	L1 Project Approver
Income Tax - Summary	L2 Project Approver
Internal Div & Equity Contributions	L3 Project Approver
Invoice Import	L4 Project Approver
Invoices by Purchase Order	

Note that if a user is not a member of a particular Owner Group, that Owner Group will not appear in the list of Owner Groups.

Visibility Tab

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The **Visibility** tab is where objects in the system can be made not visible. This functionality is very useful if an object is no longer relevant to a given scenario, but cannot be deleted (as it IS relevant to other prior scenarios), such as a retired bond or closed project. Making them not visible can keep object lists cleaner. If an object is not visible, it is not used in any calculations.

Ore Object Editor ×					
Select Objects to Edit					
Object Type: EntityGroup			Filter By: O None		-
Object ID Interface Codes Delete Ov	wner Group Visibility Case-Nar	me Order Instance-Name/Code/Ord	er Data Finder Alerts Admin Locks		
Object	Winner	Base Attribute Case	Targets 2011 - 2015 Attributes	Visibility Model Only	
Bonds - Detailed Model	true	true		true	
Account	false	true		false	
sys-B2 Variance Drivers	false	true		false	
sys-Budget Descriptor	false	true		false	=
sys-DCF Com Paper	false	true		false	-
sys-Transactions (Transaction Detail)	false	true		false	
sys-Report Batches	false	true		false	
sys-Transaction	false	true		false	
Tax Depreciation Rate Schedule	true	true		true	
Activity	false	true		false	
sys-Interval Data Scheme	false	true		false	
sys-Security Roles	true	true		true	
sys-Day Types	false	true		false	
sys-Report Layouts	false	true		false	
All	false	true		false	
sys-Interval Types	false	true		false	
AFUDC Rate Schedule	true	true		true	
Allo Driver Type	false	true		false	
Bonds - Strategic Model	false	true		false	
Allocation Groups	false	true		false	
Bond Issue Type	true	true		true	
Electric Revenue Class	true	true		true	
Allocation Prep	false	true		false	
Preferred Stock Issue	true	true		true	-
elite el ll	b	6		b.	

The **Object** column displays the list of objects. The **Winner** column is automatically populated based on the values in the columns to the right. A value of "true" designates the object as visible; "false" indicates that the value is not visible.

If overlay cases are used in the system, this screen will contain the overlay case columns. Any value selected in an overlay case column will override the **Base Attribute Case** column and appear in the **Winner** column. Winner logic works right to left on this screen, so the value in the right-most column will win.

Case-Name Tab

The **Case-Name**e tab displays object names by case, as well as the winner of all attribute cases in the scenario. This screen is used to change names in the system, and is one of the most commonly used tabs of the Core Object Editor. In the example below, three bonds were initially created and named with anticipated issuance dates and interest rates. But they

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were ultimately issued at different dates. Rather than create new bonds, the user merely needed to change the parameters and rename the bonds as needed. This screen was used to manually change the names.

Ore Object Editor ×			
Select Objects to Edit			
Object Type: Entity		Filter By: 🖶 Bonds - Detailed Model] A
Object ID Interface Codes Delete Owner Group Visibility	Case-Name Order Instance-Name/Code/Orde	r Data Finder Alerts Admin Locks	
Show Abbreviations rather than name			
Instance Default Name	Winner	Base Attribute Case	2016 Attribute Overlay
2015 Budget Bond 1	CHI 4.00% FMB due January 15, 2045	2015 CHI Forecast Bond 1 - 4.00% Issue 1/1/2015	CHI 4.00% FMB due January 15, 2045
2015 Budget Bond 2	CHI 5.25% FMB due August 1, 2045	2015 CHI Forecast Bond 2 - 5.00% Issue 9/1/2015	CHI 5.25% FMB due August 1, 2045
2016 Budget Bond 1	2016 Forecast Bond 4% 2/1/2016	2016 Forecast Bond 4% 2/1/2016	
CHI 4.50% FMB due May 15, 2013	CHI 4.50% FMB due May 15, 2015	CHI 4.50% FMB due May 15, 2015	
CHI 5.5% FMB due 11/1/2035	CHI 5.5% FMB due Nov 1, 2035	CHI 5.5% FMB due Nov 1, 2035	
CHI 5.5% Senior Notes due 2017 (New Issue)	CHI 5.5% Senior Notes due May 15, 2017	CHI 5.5% Senior Notes due May 15, 2017	
CHI 5.625% Pollution Control Bond due May 15, 2033	CHI 5.625% PCB due May 15, 2033	CHI 5.625% PCB due May 15, 2033	
CHI 6% Pollution Control Bond due 2007	CHI 6% PCB due Jan 1, 2015	CHI 6% PCB due Jan 1, 2015	
CHI 6.2% Senior Notes due April 1, 2033	CHI 6.2% Senior Notes due April 1, 2033	CHI 6.2% Senior Notes due April 1, 2033	

To manually change the name of an object, double-click on the name in the appropriate case column and enter a new

name.

Core Object Editor ×			
Select Objects to Edit			
Object Type: Entity		Filter By: 🖶 Bonds - Detailed Model	▼ 🔗
Object ID Interface Codes Delete Owner Group	Visibility Case-Name Order Instance-Name/C	Code/Order Data Finder Alerts Admin Locks	
Show Abbreviations rather than name			
Instance Default Name	Winner	Base Attribute Case	Visibility Model Only
New Bond	CHI 5.4% FMB due Nov 1, 2035	New Bond	CHI 5.4% FMB due Nov 1, 2035
CHI 4.50% FMB due May 15, 2013	CHI 5.25% FMB Due June 25, 2030	CHI 4.50% FMB due May 15, 2013	CHI 5.25% FMB Due June 25, 2030
CHI 5.5% FMB due 11/1/2035	CHI 5.5% FMB due Nov 1, 2035	CHI 5.5% FMB due Nov 1, 2035	
CHI 5.5% Senior Notes due 2017 (New Issue)	CHI 5.5% Senior Notes due May 15, 2017	CHI 5.5% Senior Notes due May 15, 2017	
CHI 5.625% Pollution Control Bond due May 15,	CHI 5.625% PCB due May 15, 2033	CHI 5.625% PCB due May 15, 2033	

For larger entity groups, such as Projects or Work Orders, the entity names can be populated using mass imports, such as data imports or using the Model Import screen. This screen will show the names and winner logic.

Abbreviations

There are some instances in which the user may want to abbreviate object names. A common example is in regulatory implementations, when the regulatory reports must show complex combinations of factors and reports. To display abbreviations, click the checkbox next to **Show Abbreviations rather than name**. Enter the abbreviation in the **Abbreviation in Case** column that appears after clicking the checkbox.

The factor names in the example below have been abbreviated.

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Select Objects to Edit	
Object Type: AllocationPath	Filter By: None Load Data
Object ID Interface Codes Delete Owner Group Visibility C	ase-Name Order Instance-Name/Code/Order Data Finder Alerts
Show Abbreviations rather than name	
Name	Abbreviation in Case: 2015 Base Attributes
Factor 1 DSM FTR 1 No FERC and No MA Juris	FACTOR1DSM
Factor 1 Production Level (excl. French)	FACTOR1
Factor 2 Power Supply Transmission level	FACTOR2
Factor 3 AMI FTR 3 No FERC or MA Juris	FACTOR3AMI
Factor 3 Energy-Production (excl FRENCH)	FACTOR3
Factor 8 D-3 Class Peak KW @ Substation level	FACTOR8
Factor 9 D-4 Class Peak KW for O.H. Pri. @ Dist.	FACTOR9
Factor 10 D-5 Non-Coincident KW for O.H. Sec.	FACTOR10
factor 100	FACTOR100
factor 101	FACTOR101
Factor 101P	FACTOR101P

If a column set has been configured to include Factor and Reference, the abbreviations will display in Browse Reports. See the example below.

2015 MA Cost of Service (EOP)	System	NH Juris	NH Non-Juris	FERC	MA Juris	Balancing	Factor	Reference
Dec 2015								
C:[Average Method]		Latest 12	Latest 12	Latest 12	Latest 12	Latest 12		
D:[DEPRECIATION & AMORTIZATION EXPENSES]								
E:[]								
F:[INTANGIBLE PLANT]								
G:[AMORT. INTANG. PROD - FRENCH]	951,621	761,630	113,538	30,885	45,568	0	FACTOR61	Template-Depr & Amortize/Line 3
H:[AMORT. INTANG. PROD - OTHER]	1,971,759	1,578,097	235,251	63,993	94,418	0	FACTOR1	Template-Depr & Amortize/Line
I:[AMORT. INTANG PLANT RELATED]	16,109,039	12,775,700	1,840,241	666,030	827,069	0	TOTAL_PLT_EX_INT	Template-Depr & Amortize/Line 5
J:[TOTAL INTANG. PLANT DEPRE EXCL AF]	19,032,419	15,115,427	2,189,029	760,908	967,055	0		
K:[TOTAL INTANGIBLE PLANT DEPR. EXPENSES]	19,032,419	15,115,427	2,189,029	760,908	967,055	0		
L:[]								
M:[PRODUCTION PLANT]								
N:[STEAM PRODUCTION PLT]	376,962,814	301,702,188	44,975,433	12,234,328	18,050,864	0	FACTOR1	Template-Depr & Amortize/Line 9
0:[NUCLEAR - OTHER]	43,869,511	35,110,963	5,234,071	1,423,785	2,100,692	0	FACTOR1	Template-Depr & Amortize/Line 1
P:[NUCLEAR - FRENCH]	43,140,922	34,527,837	5,147,143	1,400,139	2,065,803	0	FACTOR61	Template-Depr & Amortize/Line 10
Q:[DECOMMISSIONING - SMITH]	0	0	0	0	0	0		
R:[DECOMMISSIONING - FRENCH]	0	0	0	0	0	0		
S:[HYDRO]	1,602,919	1,282,896	191,244	52,023	76,756	0	FACTOR1	Template-Depr & Amortize/Line 12
T:[OTHER]	62,125,946	49,722,501	7,412,247	2,016,298	2,974,901	0	FACTOR1	Template-Depr & Amortize/Line 12
U:[MILL CO.]	23,823,904	19,067,462	2,842,430	773,205	1,140,808	0	FACTOR1	Template-Depr & Amortize/Line 14
V:[ARO]	-3,201,669	-2,562,456	-381,991	-103,910	-153,312	0	FACTOR1	Template-Depr & Amortize/Line 15
W:[MA SALES & USE TAX CONTRA ASSET - PR	-268,865	-268,865	0	0	0	0	Direct Assign Jur	Template-Depr & Amortize/Line 16
X:[TOTAL PROD PLANT DEPREC EXCL AFC]	548,055,482	438,582,526	65,420,578	17,795,867	26,256,511	0	-	
Y:[]								
Z:[PROD NET AFC - MA, CMA, MS]	818,014	756,799	61,215	0	0	0	FACTOR71	Template-Depr & Amortize/Line 8
AA:[PROD NET AFC - NH, FERC]	571,984	0	231,497	137,088	203,399	0		Template-Depr & Amortize/Line 82
AB:[PROD NET AFC NH - MA, CMA, MS]	26,905	24,892	2,013	0	0	0	FACT094	Template-Depr & Amortize/Line 8
AC:[PROD NET AFC NH - NH, VT, FERC]	168,344	0	68,133	40,347	59,864	0	FACTOR83	Template-Depr & Amortize/Line 84
AD:[AMORTIZATION - REG. ASSET- AFUDC-CHEC]	9,855,029	9,117,538	737,491	0	0	0	FACTOR71	Template-Depr & Amortize/Line 8

Order Tab

The **Order** tab is used to set the Scenario, or system-defined, order of objects. Examples include how entities show in the groups on Edit Attributes or scenarios show on Manage scenarios, or how the list of reports shows in dropdown list.

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Note that display order is distinct from process-related ordering, such as on Manage Sequences or on the Administer Multidimensional Calculations screen. Ordering as determined on this screen has no impact of results of UIPlanner. Note also that there are other screens that are used to set specific types of order, such as the Additional Entity Ordering in Browse Reports.

The Order tab displays all active cases in the scenario and a winner, when more than one case is available. The **Winner** column will change as objects are reordered in any case to reflect the new winner.

One thing to note when using the Order Tab – if a user has selected Alpha Order for a given category of objects (such as Entities other than Planning Entity), those will show up ordered as such on this screen. The user can only change ordering if Scenario Order is selected.

Select Objects to Edit					
Object Type: Entity	-		📃 🔲 Filter By: 🖶 Planning Entity		
Object ID Interface Codes Delet	e Owner Group Visibility Cas	se-Name Order Instance-Na	me/Code/Order Data Finder Alerts	Admin Locks	
A Move Up	😽 Move Down	👗 То Тор	🝸 To Bottom	🔯 Reorder	Edit in Excel
Touch cell under Case. F7=Move	Up. F8=Mo Winner		Order in Case: Base Attribute Case	Order in Ca	ase: Visibility Model Only
UI Energy Consolidated					
UI Energy Elim	1		1		
Tri-State Consol	2		2		
Tri-State Parent	3		3		
Tri-State Elim	4		4		
Chicago Electric	5		5		
Chicago Gas	6		6		
Electric Segment Consol	7		7		
Electric Segment Elim	8		8		
Chicago Nonutility	9		9		
SWEGCO Electric	10		10		
SWEGCO Gas	11		11		
SWEGCO Common	12		12		
Acquisition Co	13		13		
UI Intl	14		14		
UT Constant	lar.		15		

Select a cell in an attribute case column to activate. There are several ways to reorder objects.

- To move the object up, press the **Move Up** button or press **F7**. Note that as the object moves, the ordering changes.
- To move the active object down, press the Move Down button or press F8.
- Objects can also be moved all the way to the top or all the way to the bottom, using the **To Top** and **To Bottom** buttons.
- The user can also type a number directly into the cell to order. Negative numbers and numbers with decimals are valid.

• To reorder in Excel, press the **Edit in Excel** button. When done, close Excel and press OK when prompted to save to the database.

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To renumber the objects in the active case beginning at 0, press the **Reorder** button or press F9. This will take the current ordering and will convert all ordering to integers beginning with 0. Order will appear from lowest to highest.

Instance-Name/Code/Order Tab

The **Instance-Name/Code/Order** tab is where the user can edit the Default Name and Default Code of Objects. It has four columns

• **Object – Winner Name – may be from Case** - displays the object name as determined from the Case-Name tab. This is not editable on this tab.

• Default Name - displays the default, or global, name of the object.

• **Default Code** - B2 implementations (e.g., Budget) often require a Default Code, which synchronizes with an external system. Some default codes are automatically assigned when objects are loaded into the system, while others may be manually created or edited by the user.

• Default Order displays the default order for the object, which is used if ordering is not set on the Order tab.

	Filter By: 🖶 Department		-
oup Visibility Case-Name Order Instance-	Name/Code/Order Data Finder Alerts Ad	min Locks	
Default Name	Default Code	Default Order	
Human Resources	001	1.0	
Human Resources	001R	2.0	
All	All	0.0	
Finance	002	3.0	-
Finance	002R	4.0	=
Corporate Services	003	5.0	
Corporate Services	003R	6.0	
Transmission & Distribution	004	7.0	
Transmission & Distribution	004R	8.0	
Generation	005	9.0	
Generation	005R	10.0	
Customer Care	006	11.0	
Customer Care	006R	12.0	
Corporate	007	13.0	
Corporate	007R	14.0	
Internal Audit	008	15.0	
Information Technology	012	16.0	
	up Visibility Case-Name Order Instance-I Default Name Human Resources Human Resources All Finance Corporate Services Corporate Services Transmission & Distribution Transmission & Distribution Generation Generation Customer Care Customer Care Corporate Corporate Internal Audit	Default Name Default Code Human Resources 001 Human Resources 001R All All Finance 002 Corporate Services 003R Corporate Services 003R Transmission & Distribution 004 Transmission & Distribution 004R Generation 005R Customer Care 006 Customer Care 006R Corporate 007R Internal Audit 008 Information Technology 012	up Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks Default Name Default Code Default Order 1.0 Human Resources 001 1.0 Human Resources 001R 2.0 All 0.0 1.0 Finance 002 3.0 Corporate Services 003R 6.0 Corporate Services 003R 6.0 Corporate Services 003R 6.0 Caseration 004R 8.0 Generation 005 9.0 Generation 005R 11.0 Customer Care 006 11.0 Customer Care 006R 12.0 Corporate 007 13.0 Corporate 007R 14.0 Internal Audit 008 15.0 Information Technology 012 16.0

Data Finder Tab

The Data Finder tab allows the user to search UIPlanner for data related to a selected object (or objects in the same type).

By default, the search includes all Attribute cases in the current scenario. However, there are checkboxes to include

Interface and Formula cases.

There are several differences between the Data Finder tab on the Core Object Editor and the Rapid Data Finder (which also has Attribute Cases). These will help determine when to use one or the other.

While the Rapid Data Finder will return all attributes for an object (such as a Planning Entity), the Core Object Editor Data Finder tab will also return all instances where that Planning Entity is referenced. See below.

Rapid Data Finder:

Case	Q1	Q2	Q3	Q4	Q5	Q6	DB Value	Last Update	Last Up	Delete/	
	Chicago Electric	Security: Owner Entity (security group object)				Í	Chicago El	2015.08.14-0	TYOUNG		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Rollup - Busi				Tri-State		MBROWN		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Legal Entity				Chicago El	0	mbrown		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Dividend Par				Tri-State	0	MBROWN		_
Base Attribute Case	Chicago Electric	Association-Initial Parent	Legal Entity				Tri-State	0	MBROWN		_
Base Attribute Case	Chicago Electric	Association-Initial Parent	LLPE Pointer				Chicago El	2015.11.20-1	UIDEMO		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Corporate P				UI Energy		MBROWN		_
Base Attribute Case	Chicago Electric	Association-Initial Parent	sys-Rollup Hi				Tri-State	2015.11.20-1	UIDEMO		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Segment				Electric Se	. 0	Translate		
Base Attribute Case	Chicago Electric	Association-Initial Parent	System Contol				System T	0	mbrown		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Tax Depr Sc				MACRS T	0	WPETTER		
lase Attribute Case	Chicago Electric	Association-Initial Parent	sys-Rollup Hi				Electric Se	. 0	WPETTER		
lase Attribute Case	Chicago Electric	Association-Initial Parent	AFUDC Sche				CHI AFUD	2015.11.20-1	UIDEMO		
Base Attribute Case	Chicago Electric	Association-Initial Parent	Service Com				UI Services	0	mbrown		
lase Attribute Case	O&M/P:[Total O&M Expense (After Target A	Allocation: path by from report/line/entity to repo	O&M	Jurisdictional	Chicago Ele	Allocation: d	CHI Elec D	0	mbrown		
ase Attribute Case	Fuel Expense Report/I:[Total Generation Cost]	Allocation: path by from report/line/entity to repo	Fuel Expens	Jurisdictional	Chicago Ele	Allocation: d	CHI Elec E	0	mbrown		
Base Attribute Case	Fuel Expense Report/N:[Total Purchased Po	Allocation: path by from report/line/entity to repo	Fuel Expens	Jurisdictional	Chicago Ele	Allocation: d	CHI Elec E	0	mbrown		
ase Attribute Case	Property Tax/C:[Property Tax Accrual]	Allocation: path by from report/line/entity to repo	Property Tax	Jurisdictional	Chicago Ele	Allocation: d	CHI Elec S	0	mbrown		
Base Attribute Case	Other Operating Revenue/AA: [Total Other O	Allocation: path by from report/line/entity to repo	Other Opera	Jurisdictional	Chicago Ele	Allocation: d	CHI Elec D	0	mbrown		
Base Attribute Case	Balance Sheet/AB:[Inventories]	Allocation: path by from report/line/entity to repo							mbrown		
lase Attribute Case	Fuel Expense Report/S:[Total Other Fuel Co	Allocation: path by from report/line/entity to repo	Fuel Expens	Jurisdictional	Chicago Ele	Allocation: d	CHI Elec E	0	mbrown		
lase Attribute Case	Chicago Electric	All: Visible					1	0	Translate		
	Chicago Electric	All: Parent					Planning E	0	Translate		
Base Attribute Case	Chicago Electric	All: Order					0	0	MBROWN		
Base Attribute Case	Chicago Electric	All: Name					Chicago El	0	Translate		
ase Attribute Case	Chicago Electric	All: Attribute Value	sys-Type (C				Regular Sub	2015.11.20-1	UIDEMO		
	Chicago Electric	Alert switch - used for messaging when data is c					1	2015.11.20-1	UIDEMO		_
	Chicago Electric	Alert saved - Original value:	Alert messa				Null	2015.11.20-1	UIDEMO		-

Core Object Editor Data Finder

Note that this data search returns Entities that have pointers to the selected Planning Entity.

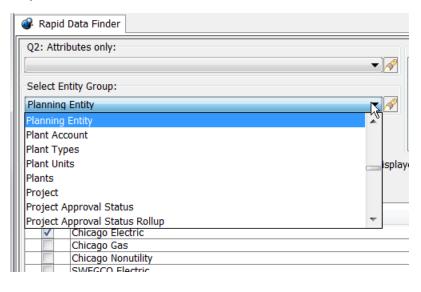
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Case	Q1	Q2	Q3	Q4	Q5	Q6	DB Value	Last Updated On	Last Updated By
	Chicago Electric	Alert message - used for mess					Note - change ma	2015.11.20-18:21	UIDEMO
	Chicago Electric	Alert saved - Original value:	Alert message - us				Null	2015.11.20-18:04	UIDEMO
	Chicago Electric	Alert saved - Original value:	Alert switch - used				Null	2015.11.20-18:04	UIDEMO
	Chicago Electric	Alert switch - used for messag					1	2015.11.20-18:04	UIDEMO
ase Attribute Case	Chicago Electric	All: Attribute Value	sys-Type (Consol,				Regular Sub	2015.11.20-18:28	UIDEMO
ase Attribute Case	Chicago Electric	All: Name					Chicago Electric	0	Translate
ase Attribute Case	Chicago Electric	All: Order					0	0	MBROWN
	Chicago Electric	All: Parent					Planning Entity	0	Translate
ase Attribute Case	Chicago Electric	All: Visible					1	0	Translate
ase Attribute Case	Balance Sheet/AB:[Inventori	Allocation: path by from report	Balance Sheet	Rate Base per Books	Chicago Electric	Allocation: default	CHI Elec Demand	0	mbrown
ase Attribute Case	Fuel Expense Report/I:[Tota	Allocation: path by from report	Fuel Expense Report	Jurisdictional Earn	Chicago Electric	Allocation: default	CHI Elec Energy	0	mbrown
ase Attribute Case	Fuel Expense Report/N:[Tot	Allocation: path by from report	Fuel Expense Report	Jurisdictional Earn	Chicago Electric	Allocation: default	CHI Elec Energy	0	mbrown
ase Attribute Case	Fuel Expense Report/S:[Tot	Allocation: path by from report	Fuel Expense Report	Jurisdictional Earn	Chicago Electric	Allocation: default	CHI Elec Energy	0	mbrown
ase Attribute Case	O&M/P:[Total O&M Expense	Allocation: path by from report	O&M	Jurisdictional Earn	Chicago Electric	Allocation: default	CHI Elec Demand	0	mbrown
ase Attribute Case	Other Operating Revenue/A	Allocation: path by from report	Other Operating R	Jurisdictional Earn	Chicago Electric	Allocation: default	CHI Elec Demand	0	mbrown
ase Attribute Case	Property Tax/C:[Property T	Allocation: path by from report	Property Tax	Jurisdictional Earn	Chicago Electric	Allocation: default	CHI Elec Static Plant	0	mbrown
ase Attribute Case	102:CEC - Cust Sales	Association-Initial Parent	Pointer to LLPE		_		Chicago Electric	0	Translate
lase Attribute Case	103:CEC - Cust Serv	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate
ase Attribute Case	104:CEC - Elec Dist - IL	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate
ase Attribute Case	105:CEC - Steam	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate
lase Attribute Case	106:Chicago Electric	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate
lase Attribute Case	107:CEC - Elec Dist - MI	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate
lase Attribute Case	113:Metro Central C&M	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate
lase Attribute Case	114:Metro East C&M	Association-Initial Parent	Pointer to LLPE				Chicago Electric	0	Translate

Note the checkboxes at the bottom of the dialog box to include the Object ID and Object Type. The list returned can be exported to Excel, by right-clicking on the top bar.

The Core Object Editor Data Finder includes all objects in the database, while the Rapid Data Finder is limited to Entities and Q2s.

Rapid Data Finder



Core Object Editor Data Finder

Core Ol	bject Editor	
Select Ob	jects to Edit	
Object Ty	/pe: Entity	
	Account	R
	InteAccountAttributeDefinition	ame/Code/Order Data Finder
Include	e Inte	Find All
	AccountStructure	
Select	NaAdditionalEntityOrder	
	ChiAllocationPath	
	ChiAllocationScheme	
	ChiApplicationEnvironment	▼
	SWEGCO Electric	
	SWEGCO Gas	
	SWEGCO Common	

The Core Object Editor limits the search to cases in the current scenario, while the Rapid Data Finder can search cases NOT in the current scenario.

Search and Select

To aid in searching objects in long lists, use the Search and Select button. This will bring up a dialog box that includes a text search box. To select objects, use the << and >> buttons.

roup Visibility Case-Name Order Instance-Name/Code/	Order Data Finder Alerts Admin Locks Find All Data	Filter By: O None	•]
		Sparch & Salact	
		Search & Select	
			Find All Data in Database
Select Account Account Selected Control Cont	% 108.0 - 108 % 110.0 - 110 % 111.0 - 111 % 115.0 - 115 % 115.0 - 115 % 112.0 - 122 % 120.5 - 120 % 140.0 - 149 % 140.0 - 149 % 140.0 - 149 % 140.0 - 149 % 140.0 - 149 % 122.0 - 122 % 122.0 - 122 % 122.0 - 122 % 120.0 - 120 % 122.0 - 122 % 120.0 - 122 % 140.0 - 144 % 190.0 - 190 % 228.1 - 228 % 228.2 - 228 % 228.3 - 228 % 228.3 - 228 % 228.4 - 228 % 228.4 - 228	O Accumulated Depreciation O Accumulated Amortization (Non-Major Utilit O Accumulated Amortization & Depletion O Accumulated provision for amortization of O Accumulated provision for amortization of O Accumulated provision for amortization Accumulated provision for depreciation and Accumulated provision for depreciation O Accumulated provision for mortization O Accumulated provision for mortization O Accumulated provision for morely Accumulated provision for nucollectible acc Accumulated deferred income taxes. Accumulated provision for property insuran A Accumulated provision for property insuran A Accumulated provision for property insuran A Accumulated provision for progenty insuran A Accumulated miscellaneous operating provi	electric pla di amortizatio nuclear fuel di amortizatio zountsCr. ice. nages. inefits.
	Account Selected ¹⁰ C ₆ : 102.0 102.0 Plant purchased or sold. ¹⁰ C ₆ : 103.0 103.0 Experimental plant unclassified. ¹⁰ C ₆ : 104.0 104.0 Plant leased to others. ¹⁰ C ₆ : 105.0 105.0 Plant held for future use.	Account Selected Available Account Provide 102.0 Plant purchased or sold. Provide 108.0 Provide 103.0 Experimental plant unclassified. Provide 110.0 Provide 105.0 Plant leased to others. Provide 110.0 Provide 105.0 Plant held for future use. Provide 110.0 Provide 105.0 Plant held for future use. Provide 110.0 Provide 105.0 Plant held for future use. Provide 110.0 Provide 110.0 Provide 110.0 Provide 110.0 Provide 110.0 Provide 110.0	Account Selected Available Account P_{Cr}^{-} 102.0 - 102.0 Plant purchased or sold. P_{Cr}^{-} 103.0 - 103.0 Experimental plant unclassified. P_{Cr}^{-} 103.0 - 104.0 Plant leased to others. P_{Cr}^{-} 110.0 - 111.0 Accumulated Amortization (Non-Major Utilities and the second

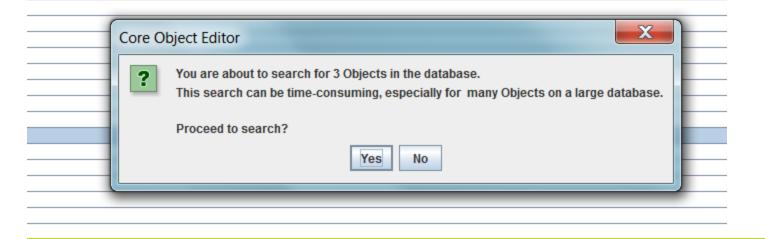
Find all Data in Database

The Find All Data in Database search button will perform a search on the database for all references to the selected objects within the current Version. It will search the tables UIP_TIME_DATA, UIP_ATTRIBUTE, UIP_COMMENTS, and UI_

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ROLLUP. The primary purpose of this feature is to provide a full search for object references before performing a delete of these objects. The search replicates the process that is performed on the database when objects are deleted, and all references to those objects are also deleted. Results are presented on a screen with 4 data tables, each of which can be exported to Excel for additional analysis.

Select Obj	iects to Edit		
Object Typ	pe: Entity 🖉 🗆 🗆 🗆	Filter By: Department	- 19
Object ID	Interface Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts	Admin Locks	
🗌 Include	Interface Cases 🗌 Include formula Case	🔗 Find All Data	🚱 Find All Data in Database
Select		Name	Search database for all Object references. May be time-consuming
	001: Human Resources	Search database for an object references. May be unre-consuming	
	001R: Human Resources		
	002: Finance		
	002R: Finance		
¥	003: Corporate Services		
	003R: Corporate Services		
¥	004: Transmission & Distribution		
	004R: Transmission & Distribution		
	004x: Transmission & Distribution		
~	005: Generation		
	005R: Generation		
	006: Customer Care		



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ttribute Rows with Refe	rences to Sear	rched Obje	cts																	_
Case		Q1			Q2		Q3		(24		Q5		G	6		DB Value		Last Upd	ated On
ase Attribute Case	T&D BIa	anket	1	Association-Ini	tial Parent	Owner	Owner									Transmis	sion & Distribu	tion 201	2011.04.11-16:15	
ase Attribute Case	Genera			Association-Ini		Owner										Generatio			1.04.11-16:15	
ase Attribute Case	Corpora	ate Services	s /	Association-Ini	tial Parent	Pointer	to Planning E	ntity								UI Service	5	201	1.04.06-15:21	
ase Attribute Case		ate Services		Association-Ini		Compa										UI Service			1.04.13-20:44	
ase Attribute Case		ate Services		MI: Parent												Departme			0.10.21-13:16	
ase Attribute Case		ate Services		VII: Visible												1			0.10.21-13:16	
ase Attribute Case		ate Services		All: Name												Corporate	Services		0.10.21-13:16	
ase Attribute Case		ission & Di		ssociation-Ini	tial Parent	Pointer	to Planning Er	ntity								UI Service			1.04.06-15:21	
ase Attribute Case		ission & Di		Association-Ini		Compa										UI Service			1.04.13-20:44	
ase Attribute Case		ission & Di		VII: Parent												Departme			0.10.21-13:16	
ase Attribute Case		hission & Di		All: Visible												1			0.10.21-13:16	
ase Attribute Case		hission & Di		M: Name												Transmis	sion & Distribu		0.10.21-13:16	
ase Attribute Case	General			Association-Ini	tial Parent	Pointor	to Planning El	otity								UI Service			1.04.06-15:21	
ase Attribute Case	Genera			ssociation-Ini		Compa		inuty								UI Service			1.04.13-20:44	
ase Attribute Case	General			All: Parent		Sompa	19				-					Departme			0.10.21-13:16	
se Attribute Case	General			All: Visible												1	in and a second s		0.10.21-13.10 0.10.21-13:10	
				an. visible														201	e. re.z i= i3. 10	-
ne Data Rows with Re	ferences to Sea	arched Obj	ects																	
Case	Qu	alifier 1 🔻			Qualifier 2			Qualifier	13		Qualifier 4		Qualifier 5	Qualifier 6	Qualifier 7	Qualifier 8	Qualifier 9	Qualifier 10	Qualifier 11	Qualifier
rking Forecast Data	Grid Directs - Ne	ew	004	: Transmissio	n & Distributio	n	10011771:	Replace Ww T	ubes 2011	ACM: Acm	e Engineering	1	H: Hours							-
orking Forecast Data	Grid Directs - Ne	ew	004	Transmissio	n & Distributio	n	10011771:	Replace Ww T	ubes 2011		e Engineering	1	H: Hours							-
rking Forecast Data			004	: Transmissio	n & Distributio	n	10011771:	Replace Ww T	ubes 2011	ACM: Acm	e Engineering		H: Hours							-
orking Forecast Data				Transmissio				Replace Ww T			e Engineering		H: Hours							-
rking Forecast Data				Transmissio				Replace Ww T			e Engineering		H: Hours							
rking Forecast Data				Transmissio				Replace Ww T			e Engineering		H: Hours							-
rking Forecast Data				Transmissio				Replace Ww T			e Engineering		H: Hours							-
orking Forecast Data				: Transmissio				Replace Ww T			e Engineering		H: Hours							
orking Forecast Data				Transmissio				Replace Ww T			e Engineering		H: Hours							
orking Forecast Data				: Transmissio				Replace WWW		LABR: Lal			H: Hours							
orking Forecast Data				: Generation	in a biotribute			Replace Turbi					H: Hours							
orking Forecast Data				: Generation				Replace Ah Ba					H: Hours							-
orking Forecast Data				Transmissio	n 8 Dictributio			Replace Ww T			e Engineering		H: Hours	-						-
orking Forecast Data				: Transmissio				Replace Ww T		LABR: La			H: Hours							
orking Forecast Data				Transmissio				Replace Ww T		LABR: La			H: Hours							-
					11															
ee Rows with Referen	ces to Searche	d Objects								,										
Ca	se			EntityGroup			Tree			Child				Parent			Level			
llups		D	epartment			Default	Department T	ree		Corporate Services			Co	Corporate Services			3			
llups		D	epartment				Default Depai			Corporate Serv	ices		Co	Corporate Services			3			
12 Budget Tree		D	epartment			Copy of	Default Depai	rtment Tree		Corporate Serv	ices		Co	orporate Servic	es		3			
ample Rollups		D	epartment			Copy of	Default Depai	rtment Tree		Corporate Serv	ices		Co	prporate Servic	es		3			
imple Rollups		D	epartment			Default	Department T	ree		Corporate Serv	ices		Co	Corporate Services			3			
llups		D	epartment			Default	Department T	ree		Transmission	& Distribution		Tra	Transmission & Distribution			4			
mment Rows with Ref	erences to Sea	arched Obie	ects																	
				05	08	07	00	00	010	011	012	012	011	015	010	017	010	010	000	
comment Q1	Q2	Q3	Q4	Q5	Q6		Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q2
r All: Name						Tools and	Advertising	Transmissi.		Tri-State Ut			-							
ijkl All: Name			o Labor Com			Supervisio	Incentives	Generation	Maintenanc.											_
ttttttt All: Name			o Labor Com	Labor Com		T&D Mainli	Non-Union		Liquefied n											
uuuuuu All: Name	Budget Dat					Perf Maint t.	. Incentives	Transmissi		Tri-State Ut						-	_	_	_	_
	Budget Dat	Working Fo	D Labor Com	Labor Com	Transmissi	Leak Survey	Non-Union	Transmissi	Other gas	Tri-State Ut										
rrrrr All: Name																				

It should be noted that this search can be time-consuming on a large database, so it is recommended that objects be searched in small batches.

Alerts Tab

The **Alerts** tab is used to set an optional, additional layer of security. It allows the system administrator to tag an object so that if a user changes it, the system will display a warning message, or Alert, notifying the user that the object is about to be changed. The user can choose to undo the pending change or proceed and save, if granted the appropriate security. An Alert on an object does not prevent it from being changed. It merely warns the user beforehand. This helps prevent accidental or unintended changes, while not completely locking objects from use.

The following are examples of commonly used Alerts.

- Planning Entity Attributes Changes to rollup hierarchy, legal/segment structure, etc. See below
- Scenario Settings Changes to actuals dates, start dates, years to run

- Attributes that should not change
- Revenue Schedule -> Fuel Clause
- Revenue Schedule -> Revenue Class
- Bond Issue-> Legal Entity
- Accounts Moving or deleting Planning Ledger accounts
- Postings Changes in postings. Set the Alert on the Q2 Line Posting Switch. See below.

To set an alert, choose the Object Type to set the Alert for and click the checkbox beneath **Alert?** In the text box to the right, in the **Alert message** column, type the message to be displayed to the user. Below is an example of setting an Alerts for Planning Entity Attributes.

Ore Object Editor ★							
Select Objects to Edit							
Object Type: Entity			Filter By: 🖶 Planning Entity				
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks							
Object	Alert?		Alert message				
Chicago Electric	1		Change made to Planning Entity attributes				
Chicago Gas	1		Change made to Planning Entity attributes				
Chicago Nonutility	1		Change made to Planning Entity attributes				
SWEGCO Electric	1		Change made to Planning Entity attributes				
SWEGCO Gas	1		Change made to Planning Entity attributes				
SWEGCO Common							
Suburban Gas							

If a user changes one of the attributes to which an alert has been attached, an Alert will appear. In this case, the user changed several of the attributes for Chicago Electric, and set Chicago Gas to Not Visible. The user can then choose to accept the changes or to undo them.

Data to be saved triggered alerts	the set of							
Options are:								
Save ALL data changes in memory - including changes that triggered alert.								
Erase ALL data changes from memory - including changes that are unrel Accessed Series	ated to alerts.							
Cancel Save		1						
Alert triggered by	Case	Q1	Q2	Q3				
Entity / Chicago Gas - Message: Note - change made to Planning Entity	Forecast 2012 - Actuals t	Chicago Gas	All: Visible					
Entity / Chicago Electric - Message: Note - change made to Planning Entity	Base Attribute Case	Chicago Electric	Association-Initial Parent	LLPE Pointer to Itself				
chicky chicked hessage, note change hade to hamming chick		Chicago Electric	All: Attribute Value					

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Another common Alert usage for the Model is on the Posting Switch in Edit Calculations. Because of the importance of Postings, it is reasonable to set an Alert to prevent users from accidentally turning ON a posting or turning one off while in the Calculation Editor. Below is the Q2 to set the Alert on.

Core Object Editor		
Select Objects to Edit		
Object Type: Q2	🖌 🔲	Filter By: None Available Filter By:
Object ID Interface Codes Delete Owner Group Visibility Case-Name Orc	ler Instance	-Name/Code/Order Data Finder Alerts Admin Locks
Object	Alert?	Alert message
Line: Pointer to next Line, for Calculation pointer to first line		
Line: Pointer to prior Line, or pointer to calculation for first line.		
Line: Post switch for line	1	Posting Changed
Line: Report in 'Constant' report column, even if all the same		
Line: Restart Option (Re-uses values for start on next run)		
Line: Round values as they are saved for line		
Line: Strategic model import Option		

If a user changes a posting this is the message when they hit Save/Compile.

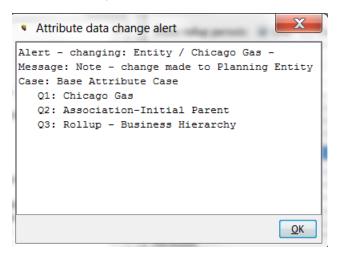
t Report				Local Conte	xt: System Control	
rt: 📔 S	System-Wide Rates		▼	Entity: Sys	stem Control.System 🔻 Period	l:
ut()						
) (3) (3)) C. C. 🔒 😣 💌 🐟 (C. • (F. (2	(🖹 🗿 🖓 • ஜ • 🖓 •		Ø # H B 0 & c	ean compile - Fri Nov 20 19:06:08	CST 2
Ref.	Line label	Formula-forecast	Formula-		Post	
A		Place Holder for Entity De		er for Entity Description		
B	Federal Income Tax Rate	Label Only	Label Only			
C D	Federal Income Lax Rate	Input() Label Only	Label Only	,		
E		Label Only	Label Only			
	Data to be saved triggered alerts Options are: Save ALL data changes in memory -		nered alert		Cancel	
_	Erase ALL data changes from memory				Cullect	
	Cancel Save	ry - including changes that	t are unrelated to alerts.			
	Alert triggered by		Case	Q1	Q2	
_	Q2 / Line: Post switch for line - Message:	Posting Changed	Base Attribute Case	C:[Federal Income Tax	Rate] Line: Post switch for line	

User Preference – On the Fly Alerts

There is a User Preference to show an informational alert message as soon as the data change is made, rather than the extended dialog box asking for confirmation. This message disappears after a few seconds. This option is intended for

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System Administrators and users who are the ones likely to be making such changes (rather than protecting from users making accidental changes). Below is the Alert Message. Note that the user can still undo the changes from View Pending Attribute Changes.



Below is the User Preference

Sore Object Editor ×	
Select Objects to Edit	
Object Type: Entity	Filter By: 🖶 Planning Entity
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order Inst	ance-Name/Code/Order Data Finder Alerts Admin Locks
Object	Alert? Alert message
Chicago Electric	Change made to Planning Entity attributes
Chicago Gas	Change made to Planning Entity attributes
Chicago Nonutility	Change made to Planning Entity attributes
SWEGCO Electric	Change made to Planning Entity attributes
SWEGCO Gas	Change made to Planning Entity attributes
SWEGCO Common	
Suburban Gas	

Guidance on Alerts

Setting alerts should be done judiciously, so as not to confront users with excessive alerts. Alerts should be set on key items that should not be changing frequently. It should also be noted that there are other ways to control user changes to key objects:

• Owner Groups – owner groups can be used to give users view but not edit to key objects, such as calculation logic.

• Locking key screens – several screens have "Locked" checkboxes and other measures to prevent inadvertent changes. These include Define Wrappers, Define Grid Instances, and Administer Multidimensional Calculations.

• Filters – filters can be locked.

Security

The ability to set Alerts is an Administrative Option, set on the Model Security screen. As such, it should be limited to a select group of administrative users.

Administrative Options:						
Manage Versions	Set Password					
☑ Delete Case	Delete Other Objects					
Set Order	V Set Visibility					
Edit Instance Row-Name/Code/Order	Manage Planner Propetties					
Manage Menus	Archive Cases/Versions					
Set Alerts	Hard-Delete Lines					
V Publish Scenarios	Set Owner Groups					
🔽 Edit Attributes - Administrative Options						

Admin Locks Tab

The **Admin Locks** tab allows System Administrators to set overriding security on an object (such as a Case or a Scenario). When the Admin Lock is on, users without Admin Lock rights will not be able to make any changes to that object. Note however, that this lock is Global, across the entire Version, so it should be applied only in specific circumstances where the impact is known.

While Owner Groups can be used to accomplish a similar purpose, the advantage of an Admin Lock is that it can easily be turned on and off. If an Owner Group is used, the System Administrator would need to take users in and out of Owner Group(s) or change the Owner Group on the given Case.

An example usage is the following: The Operating Companies have Admin users who have need significant authority to change cases, scenarios, logic, etc. But once an Operating Company scenario has been submitted to Corporate, Corporate would like to be able to lock the scenario and cases to stop further changes. So if Corporate puts an Admin-lock on a case (such as the Formula Case), the Operating Company Admins will not be able to unlock it. See below.

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Core Object E	ditor ×
Select Objects t	o Edit
Object Type:	Case
Object ID Inter	face Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks
Admin Lock	Object
	Admin locks are global, and apply to all cases in the version.
	Admin locks prevent users without Admin Lock Rights from changing any data for the locked object.
	A locked object may be used as data - for example, a project could be set to point to a locked tax depreciation schedule.
	Admin lock rights are set on the Model Security screen.
	Report Formats
1	Report Formats (Base Plan): Admin lock

If a user without Admin Lock rights opens Edit Calculations, all reports are View only.

 Editi 	ing: Glo	bal Assumptions				X			
Select	Report t: 📄 G	lobal Assumptions	•	Local Context: System Control System Control.System Period:					
(×)= Place	e Holder	for Entity Description			Į				
MM	Ref.	Line label	Formula-forecast	Formula-actual		Post	Ш		
	A		Place Holder for Entity Description	Place Holder for Entity	Description				
	В		Label Only	Label Only			10		
		Inflation & Interest Rate Assumptions	Label Only	Label Only					
	D	General Inflation Rate	Input()						
	F	Lahor Inflation Rate (average)	Innut()				Ш		

If that user attempts to save changes, such as on Manage Sequence sets, the change is not saved. Below is the warning message.

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 Manage 	Sequence Sets	0 G Care Service	a spinster, it's had any	Designation (CC)	1- 100	
Select Repo	rt Sequence Set to Manage					
Sequence S	et: 🔩 Tactical Model	🔻 🔗 Name: Tac	tical Model		Create Sequ	ence Set
Select Repo	rt Sequence Set Subset to Manag	je				
Sequence S	ubset: 🔘 None Selected					🔻 🔗 📑 Create
Tactical Mod	del					
Add Exist	ting Report Sequence Creat	e New Report Sequence				
Feeder Re	ports		Financial Reports			Ratios & Statistics & Summ
Ac	ld Reports 🛛 🔗 Search 8	& Add 🛛 🔀 Remove Report	Add Reports	🔗 Search & Add	Remove Report	Add Reports
	Move Down (ctrl-1)	ጵ Move Up (ctrl-2)	Move Down (ctrl-3)	Move Up (ctrl-4)	Move Down (c
Subset	Report	Looping Context			ing contact	X
V	Global Assumptions	System Control	 Security constrain 	t preventing data chang	e	
v	System-Wide Rates	System Control	Attempting data c	hange:		
✓	Utility Allocators	Utility		-	nin lock is admin lo	aked and can only
V	Jurisdictional Allocators	Jurisdiction		ser with admin lock		cked, and can only
V	Journal Entry	Planning Entity			-	
V	Property Tax	Planning Entity		•	Reports: Feeder Re	ports] -4035
	Other Operating Revenue	Planning Entity AFUDC Rate Schedule		Sequenced report] -		_
V V	AFUDC Rates		-	. ,	ain lock is admin lo	cked, and can only
	Book Depr Rates & Rules Construction	Plant Account Model Project		ser with admin lock	-	
V V	Plant Account Detail	Plant Account	Case Id: 56 Objec	t Ids: 43046 [Feeder	Reports: Feeder Re	ports] -4035
	O&M	Planning Entity	[Report Sequence:	Sequenced report] -	-10000096	
V V	Fuel Expense Report	Planning Entity	-			
V V	ECA Fuel Clause Report	Fuel Clauses	-			-
v	Electric Revenue Schedules	Electric Revenue Schedule				
1	Electric Revenue Summary	Planning Entity	Do not show this me	ssage again		ОК

Admin Locks can be edited in Excel, via right-click on the table header. Acceptable values in Excel include any text that starts with T or Y for true or any text that starts with F or N for false.

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Ore Object E	ditor 🗙 👔	ninister Customer Revenue Module 🗴 🚺 Run Customer Revenue Module 🗴	
Select Objects to	Edit		
Object Type:	IntityGroup	✓ Ø □ □ □ □ □ Filter By: O None	
Object ID Inter	face Codes	e Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks	
Admin Lock	Object		
	Admin lor		fxcel
	Admin lo A locked		
	Admin lo	Home Insert Page Layout Formulas Data Review View UI Planner UI Planner Dataset Editor	
		Cut Calibri \cdot 11 \cdot $A^{-}_{A^{-}} \equiv \equiv \bigotimes Wrap Text$ General	- 🛃 🖽
V	Bill Type		
V	Error Ide KWH Blo	te 🛷 Format Painter 🖪 I 🖳 - 🔄 - 💁 - 🚣 - 📰 🚍 🚍 🛱 🛱 🖼 Merge & Center - 💲 - % → 🐄	Conditional Form Formatting as Tab
V	Day Of I	Clipboard 5 Font 5 Alignment 5 Number	5 Styles
V	Rate/Pri	C8 - 🖉 TRUE	
1	Rider Ra		
v	Unmeter	В	С
 ✓ ✓ 	Seasons sys-B2 V	Object	Admin Lock
V V	Division:	Admin locks are global, and apply to all cases in the version.	
v	Months:	Admin locks prevent users without Admin Lock Rights from changing any data for the locked object.	
V	sys-Trar	A locked object may be used as data - for example, a project could be set to point to a locked tax depreciation schedu	ile.
v	Charge 1	Admin lock rights are set on the Model Security screen.	
✓ ✓	sys-Inte sys-Day	<no 5="" for="" name="" row=""></no>	
V	sys-bay	Bill Types: Admin lock	TRUE
V	sys-82ii :	Error Identification: Admin lock	TRUE
v	sys-Itera	KWH Blocking: Admin lock	TRUE
V	Departm	Day Of Month: Admin lock	NO
v	sys-82ii FERC Ad	Rate/Price: Admin lock	YES
	sys-82ii l	Rider Rate/Price: Admin lock	FALSE
	Resourc	Unmetered/Price - Delete: Admin lock	TRUE
V	sys-Fore	Seasons: Admin lock	TRUE
V	sys-Lag	svs-B2 Variance Drivers: Admin lock	TRUE
V	sys-Lega	Division: Admin lock	TRUE
v	sys-Low	Division. Adminitock	TRUE

The ability to set Admin Locks is set on the Model Security screen.

Manage Model Security	Lise Status
Assign Security Assign Roles	
Select Role or User ID: SYSTEM ADMIN	ISTRATOR 🔹
Set Admin Lock? Email Address:	
Add User	Delete Use
Security Report-Excel	Security Repor

One Parameter Editor

elect Super Group	Select Entity/Edit/Report Gro	up/Account Se	elect Attribute or Case	Select Sort Be	havior	Launch He
uper Group: 🔘Any Super Entity Gro 🔻 🔗	Group: 🖶 Bonds - Detailed	Model 👻 🔗 At	ttribute/Case: 💿Show All Win	ners 🔻 🔗 Sort By: Alph	na Order	🔹 🔗 🛛 💿 Help
ssign Values for Selected Attribute [Right Click to	Copy, Fill, & Export]					
bject description	Planning Entity	Issue Type (e.g. FMB)	Issue Date (yyyymm)	Retire Date (yyyymm)	New Issue Principal	Interest Rate
HI 4.00% FMB due January 15, 2045	Chicago Gas	Subsidized Bond	201602	202007	100000	5
HI 5.75% Due Jan 5, 2040 (Planned)	Chicago Electric	First Mortgage Bond	201501	204009	600000	5.75
orp 5.5% Senior Notes due Dec. 1, 2016	UI Energy Parent	Senior Notes		201612		5.5
orp 6.5% Senior Notes due April 1, 2017	UI Energy Parent	Senior Notes	200104	201704		6.5
rairie Gen 5.60% FMB due Sept. 15, 2033	Prairie Gen	First Mortgage Bond		203309		5.6
rairie Gen 5.65% Due Jan. 1, 2025	Prairie Gen	Other LTD	199501	202501		5.65
G 4.75% Note due Nov 1, 2020	SWEGCO Gas	Senior Notes	201011	202011	90000	4.75
G 5.20% Debenture (unsecured) due Dec. 1,	SWEGCO Gas	Debenture	200411	201612		5.2
G 6.25% Debenture Nosecured) due Nov. 1,	SWEGCO Gas	Debenture	200201	203511		6.25
G 6.375% Note due 🔊 . 1, 2032	Chicago Gas	Senior Notes		203211		6.375
WEG 4.5% FMB Due Feb. 1, 2039	Chicago Gas	First Mortgage Bond	200902	203902		4.5
WEG 5% FMB due Feb 1, 2018	Chicago Gas	First Mortgage Bond	200209	201802		5
WEG 5.5% Debenture (unsecured) due Nov	Chicago Gas	Debenture	200412	201511	10000	5.5
WEG 6.00% FMB due Sept. 1, 2015	Chicago Gas	First Mortgage Bond	200209	201509		6
WEG 6.25% FMB due March 1, 2038	Chicago Gas	First Mortgage Bond	200203	203803		6.25
WEG 6.36% Other LTD due Feb 1, 2022	Chicago Gas	Other LTD	200209	202202		6.36

The One Parameter Editor screen is used to view, enter or edit Attribute data for Entities, Accounts or Reports.

• Entities - related to entities, it is a companion screen to the Edit Attributes screen. While the Edit Attributes screen shows all attribute data for one entity at a time, the One Parameter Editor allows the user to view or edit attribute data for all entities in an entity group.

• Accounts – for Planning Ledger Accounts, the One Parameter Editor shows the attributes as defined on the Manage Ledger screen.

• Reports (Financial Model) – related to Reports, the One Parameter Editor shows report attributes available from the Group Reports screen, currently just the Report Actuals date.

• Customer Account-Premise (Customer Revenue) – the One Parameter Editor can display and allow edit of customer data by account-premise.

The One Parameter Editor provides multiple ways of viewing the data, including by case, by individual attribute, or the final 'winner' values across all cases, as shown above. Users can edit data directly in the screen or can export the contents to edit in Excel.

The One Parameter Editor can be launched from a menu item, or by selecting the "1" icon next to any attribute in the Edit Attributes screen. See Accessing the One Parameter Editor for more information.

Screen Layout

The One Parameter Editor screen is comprised of two regions.

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Selection Region

The Selection Region at the top of the screen is a series of dropdowns for selecting what to show. The first two selections control the overall universe of what to show in the grid, and the third selects a specific item or case. The last button allows the user to change the ordering.

# Edit Attributes ×	
Limit Tree by Super Entity Group	 Select an Entity or Entity Group ▼
Select Entity or Group	 Add EntityGroup - Objects created will have initial visibility in case: Base Attribute Case
Model AFUDC Rate Schedule AFUDC Rates AFUDC Rates Bonds - Detailed Model Electric Revenue Class Electric Revenue Schedule Gas Revenue Class Gas Revenue Schedule Jurisdiction Model Project Planning Entity Segment Tax Depreciation Rate Schedule	Select parent: Model Optional Security Group (Owner): Add Objects Listed Below Enter or Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Rig New Entity Group Click on a row. New objects are added below the selected row.
	Orden Name

The dropdowns are:

• Super Group – select either all Entity Groups, all Report Groups or all Accounts, or from available Super Entity Groups. This limits the selections in the next droplist.

• Entity/Edit/Report Group/Account – select the object to show in the grid below. The most common selections are Entity Group or Accounts.

• Attribute or Case – Once the selection in the second droplist has been made, this allows the user to select either a specific attribute (across all cases) or a specific case (and see all attributes) or the list of 'winners' across all cases.

• Sort By - this allows the user to choose how to sort the information in the grid below

The final button launches the Help system topic for One Parameter Editor.

Attribute Value Grid

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Below that is the Attribute Value Grid that displays the attributes related to the selections made above. Below is an example of Winners – note that this view is read-only.

Select Super Group	Select Entity/Edit/Report Gro	up/Account	Select Attribute or (Case	Select Sort Behavior	Launch H
Super Group: 🔘Any Super Entity Gro 👻 🔗	Group: 🖶 Bonds - Detailed	Model 👻 🔗	Attribute/Case:	Show All Winners 🔻 🔗	Sort By: Alpha Order	🔻 🔗 🛛 💎 Hel
Assign Values for Selected Attribute [Right Click to	Copy, Fill, & Export]			· · · · · · · · · · · · · · · · · · ·		
Object description	Planning Entity	Issue Type (e.g. FMB)	Issue Date	(yyyymm) Retire Date	(yyyymm) New Issue Pri	ncipal Interest Rate
CHI 4.00% FMB due January 15, 2045	Chicago Gas	Subsidized Bond	201602	202007	100000	5
CHI 5.75% Due Jan 5, 2040 (Planned)	Chicago Electric	First Mortgage Bond	201501	204009	600000	5.75
Corp 5.5% Senior Notes due Dec. 1, 2016	UI Energy Parent	Senior Notes		201612		5.5
Corp 6.5% Senior Notes due April 1, 2017	UI Energy Parent	Senior Notes	200104	201704		6.5
Prairie Gen 5.60% FMB due Sept. 15, 2033	Prairie Gen	First Mortgage Bond		203309		5.6
Prairie Gen 5.65% Due Jan. 1, 2025	Prairie Gen	Other LTD	199501	202501		5.65
SG 4.75% Note due Nov 1, 2020	SWEGCO Gas	Senior Notes	201011	202011	90000	4.75
SG 5.20% Debenture (unsecured) due Dec. 1,	SWEGCO Gas	Debenture	200411	201612		5.2
SG 6.25% Debenture Nov. 1,	SWEGCO Gas	Debenture	200201	203511		6.25
SG 6.375% Note due 🔊 . 1, 2032	Chicago Gas	Senior Notes		203211		6.375
SWEG 4.5% FMB Due Feb. 1, 2039	Chicago Gas	First Mortgage Bond	200902	203902		4.5
SWEG 5% FMB due Feb 1, 2018	Chicago Gas	First Mortgage Bond	200209	201802		5
SWEG 5.5% Debenture (unsecured) due Nov	Chicago Gas	Debenture	200412	201511	10000	5.5
SWEG 6.00% FMB due Sept. 1, 2015	Chicago Gas	First Mortgage Bond	200209	201509		6
SWEG 6.25% FMB due March 1, 2038	Chicago Gas	First Mortgage Bond	200203	203803		6.25
SWEG 6.36% Other LTD due Feb 1, 2022	Chicago Gas	Other LTD	200209	202202		6.36
٠	< III					

Here is an example showing all data for a specific case.

Select Super Group	Select Entity/Edit/Report Gro	oup/Account	Select	Attribute or Case	Select Sort Be	ehavior	Launch He
Super Group: 🔘Any Super Entity Gro 🔻 🔗	Group: 🜐 Bonds - Detailed	i Model 🛛 🔻 🔗	Attribu	te/Case: 🕒 Base Attribute Ca	ase 🔻 🔗 Sort By: Alpl	na Order	🔻 🔗 🛛 💿 Help
Assign Values for Selected Attribute [Right Click to	Copy, Fill, & Export]			λ			
Object description	Planning Entity	Issue Type (e.g. FMB)		Issue Date (yyyymur	Retire Date (yyyymm)	New Issue Principal	Interest Rate
CHI 4.00% FMB due January 15, 2045	😑 Chicado Gas 🔍 🗸	🎢 🖶 Subsidized Bond	-	07/2014	07/2020	100000	5
CHI 5.75% Due Jan 5, 2040 (Planned)	😑 Chicado Electric 🛛 🔻 🧑	🏸 🖶 First Mortaaae Bor	id 🔻 🧭	01/2015	09/2040	600000	5.75
Corp 5.5% Senior Notes due Dec. 1, 2016	🕒 UI Enerav Parent 🛛 🔻 🧑	🏹 🖶 Senior Notes	- 🗸	P	12/2016		5.5
Corp 6.5% Senior Notes due April 1, 2017	🕒 UI Enerav Parent 🛛 🔻 🧑	🏸 🖶 Senior Notes	3	04/2001	04/2017		6.5
Prairie Gen 5.60% FMB due Sept. 15, 2033	🔵 Prairie Gen 🛛 🔻 🧑	🏸 🖶 First Mortaaae Bor	id 🔻 🧭	* [09/2033		5.6
Prairie Gen 5.65% Due Jan. 1, 2025	🔍 Prairie Gen 🛛 🔻 🧑	🎢 🖶 Other LTD	- 🗸 🏹	01/1995	01/2025		5.65
SG 4.75% Note due Nov 1, 2020	SWEGCO Gas 🔹 🗸	🏹 🖶 Senior Notes	- 🗸	11/2010	11/2020	90000	4.75
SG 5.20% Debenture (unsecured) due Dec. 1,	🕒 SWEGCO Gas 🛛 🔻 🧹	🖉 🖶 Debenture		11/2004	12/2016		5.2
SG 6.25% Debenture (unsecured) due Nov. 1,	SWEGCO Gas 🔹 🗸	🖉 🔵 Debenture		01/2002	11/2035		6.25
SG 6.375% Note due Nov. 1, 2032	🕒 Chicago Gas 🛛 🔻 🧑	🎢 🖶 Senior Notes 👘	- 🗸 🏹	P	11/2032		6.375
SWEG 4.5% FMB Due Feb. 1, 2039	🕒 Chicago Gas 🛛 🔻 🧑	🎢 🖶 First Mortaaae Bor	id 🔻 🧭	02/2009	02/2039		4.5
SWEG 5% FMB due Feb 1, 2018	🕒 Chicado Gas 🛛 🔻 🧑	🎢 🔍 First Mortaaae Bor	id 🔻 🧭	09/2002	02/2018		5
SWEG 5.5% Debenture (unsecured) due Nov	🕒 Chicago Gas 🛛 🔻 🧑	🖉 🔵 Debenture		12/2004	11/2015	10000	5.5
SWEG 6.00% FMB due Sept. 1, 2015	😑 Chicado Gas 🛛 🔻 🧑	🏸 🖶 First Mortaaae Bor	id 🔻 🧭	09/2002	09/2015		6
SWEG 6.25% FMB due March 1, 2038	🔵 Chicado Gas 🛛 🔻 🧹	🎢 🔍 First Mortaaae Bor	id 🔻 🧭	03/2002	03/2038		6.25
SWEG 6.36% Other LTD due Feb 1, 2022	🕒 Chicado Gas 🛛 🔻 🧖	🎢 🖶 Other LTD	- 🗸 🏹	09/2002	02/2022		6.36
4	< III						•

Opening the One Parameter Editor

The One Parameter Editor screen can be launched in several ways.

• It is a Menu item, and thus can be launched directly or by using Ctrl-F12.

• It can be launched from the Edit Attributes screen by clicking the "1" icon in the Edit column of any attribute for an Entity Group.

• It can be launched from a Switchboard.

• In Customer Revenue implementations, it can be launched from the CREV Wrapper

Menu Item

When opened as a Menu Item, the One Parameter Editor will open to the last configuration that the user had the screen open to.

Edit Attributes screen

When launched from the "1" button on Edit Attributes, the One Parameter Editor screen will open for that particular entity group and attribute.

Limit Tree by Super Entity Ğroup	0		Define Attrib	utes for Entity Group - Bonds - Detailed Mod	el in Case Base Attribute Case	
O Show All Entity Groups		•		🕆 Create new attribute	🖄 Link attribute to Entity Group	🕱 Remove link to Entity Group
Select Entity or Group				,		
Filter:			Edit Tre	e Name	Туре	Option Set
CHI 4.00% FMB due J	anuany 15, 2045	^		Planning Entity	Pointer to another entity	Planning Entity 🔹 🔗
CHI 4.00% FMB due 5					Pointer to another entity	Bond Issue Type 🔹 🗸
2016 Forecast Bond 49					Date (YYYYMM)	
CHI 4.50% FMB due N					Date (YYYYMM)	
CHI 4.50% FMB due No					Input parameter value (dollars, dates, rat	
CHI 5.5% PMB due No					Percent- divided by 12 for monthly (e.g. I	
 CHI 5.5% Senior Note CHI 5.625% PCB due Note 					Input parameter value (dollars, dates, rat	
CHI 5.025% PCB due I CHI 6% PCB due Jan 1					Input parameter value (dollars, dates, rat	
CHI 6.2% Senior Note:					Input parameter value (dollars, dates, rat	
CHI 6.5% FMB due No		_	Cũ Cũ		Input parameter value (dollars, dates, rat	
1 1		•			Input parameter value (dollars, dates, rat	
(II	I		l că că	New Issue Credit Limit	Input parameter value (dollars, dates, rat	
Create	Refresh				Input parameter value (dollars, dates, rat	
0.000	Kerrean) Input parameter value (dollars, dates, rat	
Create & Edit	Copy Attributes				Input parameter value (dollars, dates, rat	
				Switch - Mortgage Style repayment	Yes or No	
2) Help			Sink Day	Input parameter value (dollars, dates, rat	

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🖶 Edit Attributes 🗙 🕕 One Parameter Editor 🔸	<u>،</u>			
Select Super Group	Select Entity/Edit/Report G	roup/Account	Select Att	ribute or Case
Super Group: O Any Super Entity Gr V	Group: 🖶 Bonds - Detaile	ed Model 🔹 🗸 🔗	Attribute/	Case: 🔞 Planning Entity
Assign Values for Selected Attribute Right Click t	o Copy, Fill, & Export]			
Object description	Winner	Base Attribute Cas	e	2016 Attribute Overlay
2016 Forecast Bond 4% 2/1/2016		0		0 🗸
CHI 4.00% FMB due January 15, 2045	Chicago Gas	😑 Chicado Gas	▼ 🔗	
CHI 4.50% FMB due May 15, 2015	Chicago Electric	🔵 Chicado Electri	- 🔻 🔗	0 v
CHI 5.00% FMB Due July 2, 2042 (Planned)	Chicago Electric	🔵 Chicado Electri	· 🔻 🔗	0 v
CHI 5.25% FMB due August 1, 2045		0		[○ ▼] 🔗
CHI 5.5% FMB due Nov 1, 2035	Chicago Electric	🔵 Chicado Electri	- 🔻 🔗	[○ ▼]8
CHI 5.5% Senior Notes due May 15, 2017	Chicago Electric	🔵 Chicado Electri	· • 🔗	0 v
CHI 5.625% PCB due May 15, 2033	Chicago Electric	🔵 Chicado Electri	· • 🔗	[○ ▼]8
CHI 5.75% Due Jan 5, 2040 (Planned)	Chicago Electric	🔵 Chicado Electri	· • 🔗	[○ ▼]8
CHI 6% PCB due Jan 1, 2015	Chicago Electric	🔵 Chicado Electri	· • 🔗	0 v
CHI 6.2% Senior Notes due April 1, 2033	Chicago Electric	🔵 Chicado Electri	· • 🔗	0 v
CHI 6.5% FMB due Nov 1, 2036	Chicago Electric	🔵 Chicado Electri	· • 🧭	0 v
CHI 6.50% FMB due Jun. 1, 2028	Chicago Electric	🔵 Chicado Electri	· 🔻 🔗	[O ▼]
CHI 6.625% FMB due Nov. 15, 2016	Chicago Electric	🔵 Chicado Electri	- 🔻 🔗	0 🗸 🔨
CHI 6.75% FMB due Nov 1, 2037	Chicago Gas	👄 Chicado Gas		0 🗸 🔨
CHI 6.875% FMB due Dec. 1, 2095	Chicago Gas	😑 Chicado Gas	▼ 🔗	0 v
I	•			

Switchboard

The One Parameter Editor can be launched from a switchboard hotspot. The hotspot can control which entity group to open, which case(s), and can also control the user's ability to change to another entity or save the data in another case.

CREV Wrapper

The One Parameter Editor can be launched from the CREV Customer Wrapper.

Selection Region

Below are the four dropdowns in the Selection region.

Select Super Group

Click the dropdown to select any Super Entity Group, All Report Groups, Ledger Accounts, or an individual Super Entity Group.

Select Super G	Group	
Super Group:	😕 Rate Design 🛛 🔻 🔻	\swarrow
Assign Values	 Any Super Entity Group All Report Groups 	y, Fill,
Object descrip	 Ledger Accounts 	
Customer Cha		
Dmnd Chg Am	🕮 Budget	
Ergy Chg Amt	🗁 Model	
kWh Block 1 C	Aate Design	

• Any Super Entity Group – Selecting this option will show all Entity Groups in the next selection dropdown, regardless of whether they belong to a Super Entity Group or not.

• All Report Groups – Selecting this option will show all Report Groups from the Browse Reports screen in the next selection dropdown.

• Ledger Accounts – Selecting this option will show ledger accounts from the top node of the Manage Ledger screen in the next selection dropdown

• Individual Super Entity Groups – select a specific Super Entity Group will limit the list of Entity Groups to select in the next selection dropdown.

Select Super 0	Group	
Super Group:	进 Rate Design 🔻	1

Select Entity/Edit/Report Group/Account

The selection made in the previous dropdown will limit the list that appears in the Select Entity/Edit/Report Group/Account dropdown.

Super Entity Groups

If "Any Super Entity Group" or a specific Super Entity group was selected, the dropdown shows Entity Groups, Edit Groups or filters against Entity Groups.

Revenue Class - NOT Residential (Locker Revenue Class - Residential (Locked) Revenue Class = Commercial (Locked) Revenue Class = Industrial (Locked)	
Revenue Class - NOT Residential (Locker Revenue Class - Residential (Locked) Revenue Class = Commercial (Locked) Revenue Class = Industrial (Locked)	
 Revenue Class = Lighting (Locked) S&U - CAP S&U - 0&M Legal Entities That Can Accept Data Bill Component Bill Component Type Day Errors Legal Entity Rate Code 	
CE Illinois Electric Retail: CE C: Commercial	
PGE Wisconsin Electric Retail C: Commercial	

• Entity groups – Lists the Entity Groups from the Edit Attributes tree. This is the most commonly used selection.

• Edit Groups – Lists the available Edit Groups (see the Define Edit Groups screen).

• Filters – Lists the available Entity Filters (see the Multidimensional Filter Editor screen). Note that Compound filters are listed but are not available to be selected.

Entity Group



When a specific Entity Group is selected, the grid will show all of the entities in that group, with the attribute definitions as column headers to the right.

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Select Super Group	Select	Entity/Edit/Report Group/Acco	unt	Select A	Attribute or Case	
Super Group: 🗁 Rate Design 🔹 🔗	Group	🖶 Rate Code	▼ 🔗	Attribut	e/Case: 🔘Show All Winner	's ▼ 🔗
Assign Values for Selected Attribute [Right Click to Copy, Fill,	& Expo	rt]				
Object description		Jurisdiction	Revenue Class		Comment	
0: 0						
ERIL: Experimental Residental Illinois						
ERWI: Experimental Residental Wisconsin						
HDIL: High Load Industrial Illnois						
HDWI: High Load Industrial Wisconsin						
IDIL: Industrial Illinois						
IDWI: Industrial Wisconsin						
LCIL: Large Commercial Illnois						
LCWI: Large Commercial Wisconsin						
RSIL: Residential Illinois						
RSWI: Residential Wisconsin						
SCIL: Small Commercial Illinois						
SCWI: Small Commercial Wisconsin						

Edit Groups

Select Entity/Edit/Report Group/Account	
Group: 🔄 Legal Entities That Can Accept Data	▼]&

When an Edit Group is selected, the data grid will list all of the entities that belong to that particular edit group, along with their associated attributes.

Select Super Group	Select E	ntity/Edit/Report Group/Account		Select Attribute or (Case	
Super Group: 🔘Any Super Entity Group 🔹 🔗	Group:	🔄 Legal Entities That Can Acce	pt Data 🔹 🔗	Attribute/Case: OShow All Winners		
Assign Values for Selected Attribute [Right Click to Copy,	Fill, & Exp	ort]				
Object description		Allow Data Edits for Define	Date	Filter	Legal Entity Pointer to Itself	Memo
CHE: Chicago Electric		Y: Yes			CHE: Chicago Electric	
PGE: Praire Gas & Electric		Y: Yes			PGE: Praire Gas & Electric	
Test Entity: Test Entity		Y: Yes			CHE: Chicago Electric	
UIE: UI Energy		Y: Yes				
UIS: UI Service Co		Y: Yes				

Filters

Select Entity/Edit/Report Group/Account				
Group:	🖤 Bill Component - Energy 🗾 🔗			

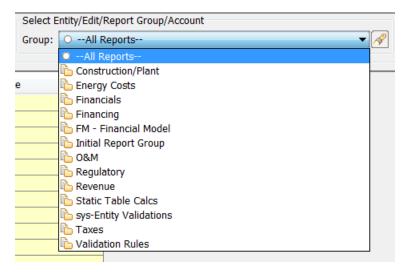
When a filter is selected the table beneath it will show all of the entities that pass that filter, with the attribute definitions as column headers to the right.

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Select Super Group	Select Entity/Edit/Rep	port Group/Account	Se	lect Attribute or Ca	ise	
Super Group: OAny Super Entity Group	🗸 🔗 Group: 🕎 Bill Comp	oonent - Energy	🔻 🔗 Ati	tribute/Case: 🔘 -	-Show All Winners	▼ 🔗
Assign Values for Selected Attribute [Right Click to Copy, Fill,	& Export]					
Object description	Associated Revenue Component	Bill Component Rollup (C/E/D)	Bill Component Type (QTY/PRICE/CHG)	Charge's Price	Charge's Qty
All kWh Qty: All kWh Qty		Energy: Energy	Qty: Quantity			
Energy: Energy		Energy: Energy	Chg: Charge			
Ergy Chg Amt: Energy Charge Amount	Eg Rev: Energy Revenue	Energy: Energy	Chg: Charge			
kWh Block 1 Charge: kWh Block 1 Charge	Eg Rev: Energy Revenue	Energy: Energy	Chg: Charge		kWh Block 1: kWh Block 1 Price	kWh Block 1 Qty:
kWh Block 1 Qty: kWh Block 1 Qty	kWh Sales: Energy Sales (kWh)	Energy: Energy	Qty: Quantity		kWh Block 1: kWh Block 1 Price	
kWh Block 1: kWh Block 1 Price	\$/kWh: Average Rate Per kWh	Energy: Energy	Pr: Price			
kWh Block 2 Charge: kWh Block 2 Charge	Eg Rev: Energy Revenue	Energy: Energy	Chg: Charge		kWh Block 2: kWh Block 2 Price	kWh Block 2 Qty:
kWh Block 2 Qty: kWh Block 2 Qty	kWh Sales: Energy Sales (kWh)	Energy: Energy	Qty: Quantity		kWh Block 2: kWh Block 2 Price	
kWh Block 2: kWh Block 2 Price	\$/kWh: Average Rate Per kWh	Energy: Energy	Pr: Price			
kWh Block 3 Charge: kWh Block 3 Charge	Eg Rev: Energy Revenue	Energy: Energy	Chg: Charge		kWh Block 3: kWh Block 3 Price	kWh Block 3 Qty:
kWh Block 3 Qty: kWh Block 3 Qty	kWh Sales: Energy Sales (kWh)	Energy: Energy	Qty: Quantity		kWh Block 3: kWh Block 3 Price	
kWh Block 3: kWh Block 3 Price	\$/kWh: Average Rate Per kWh	Energy: Energy	Pr: Price			
kWh Fuel Qty: kWh Fuel Qty		Energy: Energy	Qty: Quantity			
kWh Off Peak: kWh Off Peak Price	\$/kWh: Average Rate Per kWh	Energy: Energy	Pr: Price			
kWh On Peak: kWh On Peak Price	\$/kWh: Average Rate Per kWh	Energy: Energy	Pr: Price			
Off Peak kWh Charge: Off Peak kWh Charge	Eg Rev: Energy Revenue	Energy: Energy	Chg: Charge		kWh Off Peak: kWh Off Peak Price	Off Peak kWh Qt
Off Peak kWh Qty: Off Peak kWh Qty	kWh Sales: Energy Sales (kWh)	Energy: Energy	Qty: Quantity		kWh Off Peak: kWh Off Peak Price	
On Peak kWh Charge: On Peak kWh Charge	Eg Rev: Energy Revenue	Energy: Energy	Chg: Charge		kWh On Peak: kWh On Peak Price	On Peak kWh Qt
On Peak kWh Qty: On Peak kWh Qty	kWh Sales: Energy Sales (kWh)	Energy: Energy	Qty: Quantity		kWh On Peak: kWh On Peak Price	

Report Groups

If All Report Groups was selected in the previous section, the list that appears in the Select Entity/Edit/Report Group/Account dropdown will show all the report groups from the Browse Reports screen. The user has the option to select all reports or a specific Report Group.



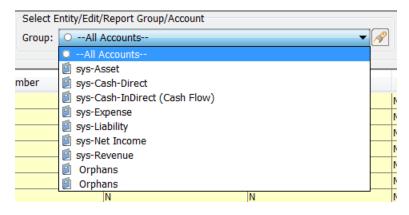
Either choice in the selection box will result in the report groups listed in the data grid. The data grid will list the report Actuals Date as assigned on the Group Reports screen.

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Assign Values for Selected Attribute [Right Click to C	Copy, Fill, & Export]		
Object description	Winner	Base Attribute Case	2016 Attribute Overlay
Bond Info			
Bonds - Detailed Model	201512	12/2013	12/2015
Bonds - Strategic Model	201512	12/2013	12/2015
Cash Balancing & Auto Financing			
Common Stock			
Daily Cash Opening Actuals			
Internal Div & Equity Contributions			
Short-term Rollover & Interest			

Ledger Accounts

If Ledger Accounts was selected in the previous dropdown, the list that appears in the Select Entity/Edit/Report Group/Account dropdown will show all the top node Ledger accounts from the Manage Ledgers screen. The user has the option to select All Accounts or a specific ledger account node.



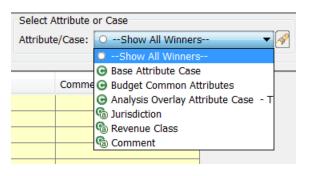
If All Accounts is selected, ledger accounts from the entire Manage Ledgers tree will show in the attribute value table. If a specific top node ledger account is selected, the ledger accounts within that node will appear in the list, with the Account attribute definitions as column headers to the right.

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Select Super Group		Select	Entity/Edit/Report Gro	pup/Account		Select Attribute or Case			
Super Group: OLedger Accounts	▼ 🔗	Group:	🗐 sys-Asset		▼ 🔗	Attribute/Case: O	Show All Winners		
Assign Values for Selected Attribute [Right Click to Copy, Fill, & Expo	rt]				,	ч			
Object description	Account Nu	mber	Actuals Only (Y/N)	Statistical Account (Y/N)	Use Statistical Accoun	Exclude From Final	FERC Account		
101 Utility Plant In Service			N	N	N		101: Electric Plant in Service		
107 Construction Work In Progress			N	N	N		107: Construction Work in Progress-Electric		
108 Accumulated Depreciation			N	N	N		108: Acm Provision for Depr and Amort of Electric Utility		
124 Other Investments			N	N	N		124: Other Investments		
136 Temporary Cash Investments			N	N	N		136: Temporary Cash Investments		
142 Accounts Receivable			N	N	N		142: Customer Accounts Receivable		
145 Notes Receivable Assoc			N	N	N		145: Notes Receivable from Associated Companies		
146 Accounts Receivable Assoc			N	N	N		146: Accounts Receivable from Associated Companies		
151 Inventories			N	N	N		151: Fuel Stock		
173 Unbilled Revenue			N	N	N		173: Accrued Utility Revenues		
174 Misc Current Assets			N	N	N		174: Miscellaneous Current and Accrued Assets		
181 Unamortized Issue Expense			N	N	N		181: Unamortized Debt Expense		
182 Regulatory Assets			N	N	N		182.3: Other Regulatory Assets		
186 Other Deferred Debits			N	N	N		186: Miscellaneous Deferred Debits		
189 Unamortized Loss on Reacquired Debt			N	N	N				
sys-Cash (Balance Sheet, for clearing cash sub-ledger)			N	N	N		131: Cash		
sys-Investment In Subsidiaries (Asset Account)			N	N	N		123: Investment in Associated Companies		

Select Attribute or Case

The final droplist allows the user to direct how the Attribute Value grid displays the data for the selected entity. The grid can show all attributes for a selected case, attributes across all cases, or the final winners. See below under Attribute Value Grid for details.



Attribute Value Grid

The attribute value grid is where users actually view, edit or add the attribute data for the entity selected above. The attribute value grid can change display based on user choices.

Show All Winners

The first option in the list is Show All Winners. This view will show all the final values for each attribute for each entity. This view reflects the values after winner logic has been applied. Note that this option is view only – this is indicated by the yellow cell coloring.

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Select Super Group	Select Entity/Edit/Report Gro	up/Account Selec	t Attribute or Case		Select Sort Beha	avior		Launch Hel
Super Group: 💿Any Super Entity Gro 🔻 🔗	Group: 🖶 Bonds - Detailed	Model 🔻 🔗 Attrib	ute/Case: 🔘Show All Winner	rs 🔻 🔗	Sort By: Alpha	Order	▼ 🔗	? Help
Assign Values for Selected Attribute [Right Click to	Copy, Fill, & Export]							
Object description	Planning Entity	Issue Type (e.g. FMB)	Issue Date (yyyymm)	Retire Date (yyyymm)	New Issue Principal	Inte	erest Rate
CHI 4.00% FMB due January 15, 2045	Chicago Gas	Subsidized Bond	201602	202007		100000	5	
CHI 5.75% Due Jan 5, 2040 (Planned)	Chicago Electric	First Mortgage Bond	201501	204009		600000	5.75	
Corp 5.5% Senior Notes due Dec. 1, 2016	UI Energy Parent	Senior Notes		201612			5.5	
Corp 6.5% Senior Notes due April 1, 2017	UI Energy Parent	Senior Notes	200104	201704			6.5	
rairie Gen 5.60% FMB due Sept. 15, 2033	Prairie Gen	First Mortgage Bond		203309			5.6	
Prairie Gen 5.65% Due Jan. 1, 2025	Prairie Gen	Other LTD	199501	202501			5.65	i
G 4.75% Note due Nov 1, 2020	SWEGCO Gas	Senior Notes	201011	202011		90000	4.75	i
G 5.20% Debenture (unsecured) due Dec. 1,	SWEGCO Gas	Debenture	200411	201612			5.2	
G 6.25% Debenture Nov. 1,	SWEGCO Gas	Debenture	200201	203511			6.25	
G 6.375% Note due 🔊 . 1, 2032	Chicago Gas	Senior Notes		203211			6.37	'5
WEG 4.5% FMB Due Feb. 1, 2039	Chicago Gas	First Mortgage Bond	200902	203902			4.5	
WEG 5% FMB due Feb 1, 2018	Chicago Gas	First Mortgage Bond	200209	201802			5	
WEG 5.5% Debenture (unsecured) due Nov	Chicago Gas	Debenture	200412	201511		10000	5.5	
WEG 6.00% FMB due Sept. 1, 2015	Chicago Gas	First Mortgage Bond	200209	201509			6	
WEG 6.25% FMB due March 1, 2038	Chicago Gas	First Mortgage Bond	200203	203803			6.25	i
WEG 6.36% Other LTD due Feb 1, 2022	Chicago Gas	Other LTD	200209	202202			6.36	
()	< III							•

Case

The Attribute cases in the current scenario are listed next, in their order in the scenario (Base Attribute case first). Cases are designated by a green "C" icon. When an individual case is selected, the attribute value table will show the values in that case, with attributes as columns.

Select Super Group	Select Entity/Edit/Report Gro	up/Account	Select	Attribute or Case	Select Sort Be	havior	Launch He
Super Group: 💿Any Super Entity Gro 🔻 🔗	Group: 🜐 Bonds - Detailed	Model 🔻 🔗	Attribu	ite/Case: 🕒 Base Attribute Ca	se 🔻 🔗 Sort By: Alph	a Order	🔹 🔗 🛛 💿 Help
Assign Values for Selected Attribute [Right Click to	Copy, Fill, & Export]						
Object description	Planning Entity	Issue Type (e.g. FMB)		Issue Date (yyyym	Retire Date (yyyymm)	New Issue Principal	Interest Rate
CHI 4.00% FMB due January 15, 2045	🕒 Chicado Gas 🔹 🗸	🖉 🖶 Subsidized Bond	- -]	07/2014	07/2020	100000	5
CHI 5.75% Due Jan 5, 2040 (Planned)	😑 Chicago Electric 🛛 🔻 🧭	🎙 🔲 First Mortaaae Bor	d 🔻 👩	01/2015	09/2040	600000	5.75
Corp 5.5% Senior Notes due Dec. 1, 2016	🕒 UI Enerav Parent 🛛 🔻 🧭	🛚 🔍 Senior Notes	- 🗸 🧑	P [12/2016		5.5
Corp 6.5% Senior Notes due April 1, 2017	🕒 UI Enerav Parent 🛛 🔻 🧭	🔵 🤍 Senior Notes		04/2001	04/2017		6.5
Prairie Gen 5.60% FMB due Sept. 15, 2033	🕒 Prairie Gen 🛛 🔻 🧭	🎽 🔍 First Mortaaae Bor	d 🔻 🧭	? [09/2033		5.6
Prairie Gen 5.65% Due Jan. 1, 2025	🕒 Prairie Gen 🛛 🔻 🧭	🖉 🖶 Other LTD	- 🗸 🏹	01/1995	01/2025		5.65
SG 4.75% Note due Nov 1, 2020	🕒 SWEGCO Gas 🛛 🔻 🧭	🛚 🔍 Senior Notes	- 🗸 🧭	11/2010	11/2020	90000	4.75
SG 5.20% Debenture (unsecured) due Dec. 1,	🕒 SWEGCO Gas 🛛 🔻 🧭	🖉 👄 Debenture		11/2004	12/2016		5.2
SG 6.25% Debenture (unsecured) due Nov. 1,	🕒 SWEGCO Gas 🛛 🔻 🧭	🖉 👄 Debenture		01/2002	11/2035		6.25
SG 6.375% Note due Nov. 1, 2032	🕒 Chicado Gas 🛛 🔻 🧭	🖉 👄 Senior Notes	- 🗸 🏹	? [11/2032		6.375
SWEG 4.5% FMB Due Feb. 1, 2039	🕒 Chicado Gas 🛛 🔻 🧭	🎽 🖶 First Mortaaae Bor	d 🔻 🧭	02/2009	02/2039		4.5
SWEG 5% FMB due Feb 1, 2018	🕒 Chicado Gas 🛛 🔻 🧭	🍯 🗧 First Mortaaae Bor	d 🔻 👩	09/2002	02/2018		5
SWEG 5.5% Debenture (unsecured) due Nov	🕒 Chicado Gas 🛛 🔻 🧭	🖉 🖶 Debenture	6	2 12/2004	11/2015	10000	5.5
SWEG 6.00% FMB due Sept. 1, 2015	🕒 Chicado Gas 🛛 🔻 🧭	🎙 🔲 First Mortaaae Bor	d 🔻 🏹	09/2002	09/2015		6
SWEG 6.25% FMB due March 1, 2038	😑 Chicado Gas 🛛 🔻 🧭	🎙 🔲 First Mortaaae Bor	d 🔻 👩	03/2002	03/2038		6.25
SWEG 6.36% Other LTD due Feb 1, 2022	😑 Chicado Gas 🛛 🔻 🧭	🖉 🖶 Other LTD	-	09/2002	02/2022		6.36
4	< III						b.

Attribute

After the Cases, each Attribute for the selected entitiv group are listed. Attributes are designated by a green "C" icon with another "a" icon overlaying it. In this view, rather than showing all attributes per case (as above in the Case option), this option shows the selected attribute, across all cases. This view shows the cases in order from left to right, with the winner in the first column. When data is entered in any of the case columns, the value in the winner column changes to reflect the final result, after winner logic is applied. The winner column is not editable, as indicated by the yellow color. See below.

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				<u> </u>
Select Super Group	Select Entity/Edit/Report Grou	up/Account Select Attribute	or Case	Selec
Super Group: 💿Any Super Entity Gr 💌 🔗	Group: 🖶 Bonds - Detailed	Model Attribute/Case:	🔞 Issue Date (yyyymm) 🔻 🔗	Sort
Assign Values for Selected Attribute [Right Click to	Copy, Fill, & Export]	~		
Object description	Winner	Base Attribute Case	2016 Attribute Overlay	
CHI 4.00% FMB due January 15, 2045	201602	07/2014	02/2016	
CHI 5.75% Due Jan 5, 2040 (Planned)	201712	01/2015	12/2017	Ī
Corp 5.5% Senior Notes due Dec. 1, 2016	201503	03/2015		Ī
Corp 6.5% Senior Notes due April 1, 2017	200104	04/2001		Ī
Prairie Gen 5.60% FMB due Sept. 15, 2033	200309	09/2003		Ī
Prairie Gen 5.65% Due Jan. 1, 2025	199501	01/1995		
SG 4.75% Note due Nov 1, 2020	201011	11/2010		1

CREV Implementations

In Customer Revenue implementations, the One Parameter Editor can be launched at a Customer level from the CREV Wrapper framework. In this case, the Attribute Value grid is a more limited view, showing customer by account-premise and the available attributes; it does not have the ability to swap dimensions.

Preview: Customer type wrapper	A TANK CLARKE TAR HARD	Classe . & tries. 1
Add Search:	Account-Contract Key Attributes Reports & Graphs	
Customer type wrapper	Manage Account-Contract Key Attributes	Select Sort Behavior
AL_DSL: AL_Directional Security	Save Attribute Edits Edit in Excel	Sort By: Alpha Order
	Assign Values for Selected Attribute [Right Click to Copy, Fill, & Export]	1
	= Object description	Account-Contract Key Inp Account-Contract Key Pol
les -	000022545834	some street name 😔 CA
AL_GS: AL_Small General Svc	00002254597	PORT OF NEW ORLEANS PL 😔 NY
AL_HPSV NW: AL_Night Wtchmn Controlled	00002256571	FIESTA ST 🕘 LA
E AL_LGS: AL_Large General Svc	00002257086!	new street name 🛛 🐵 NY
	00002257539:	WOODLAND DR 😔 LA

Editing Attribute Data

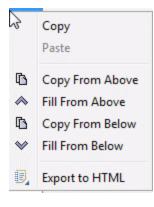
Data can be entered in any of the available cases. Once data is entered, the value in the winner column changes to reflect the final result, after winner logic is applied. The winner column is not editable, as indicated by the yellow color. When the Show All Winners option is selected, it is read only.

Entering Data Directly in the Input Grid

Entering or editing the different attribute types in the One Parameter Editor is the same as on the Edit Attributes screen. See Edit Attributes for details.

Entering Data using Right-click Options on Input Cells

In addition to setting values directly in a given cell, there are a number of right-click options to allow setting values in a number of cells all at once. While hovering over an input cell, right-click to open the following dialog box:



Below are the options:

- Copy copies active cell value to the clipboard
- Paste pastes clipboard value to the active cell
- Copy From Above copies the cell value from the first cell above that has a value
- Fill From Above fills data in all cells above the active cell, using the value from the first cell above that has a value
- Copy From Below copies the cell value from the first cell below that has a value
- Fill From Below fills data in all cells below the active cell from the first cell below found with data
- Export to HTML Exports the data from the body of the screen to HTML

Note – these edit options are available for all attribute types – pointers, input values and dates.

Below is an example of Fill From Above.

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Select Super Group	Selec	t Entity/Edit/Report Group/Acc	ount	1	Select Attribut	e or C	ase
Super Group: 🔿Any Super En 🔻 🔗	Group	: 🖶 Construction Project	-	A	Attribute/Case	:	2016
Assign Values for Selected Attribute [Right	Click to (Copy, Fill, & Export]					
Object description		In Service Date-YYYYMM	Та	x Der	or Schedule S	tate (.	
CHI Elec Dist General Common Blankets					RS 3		
CHI Elec Dist General IL Blankets			=	in a co		-	
CHI Elec Dist General MI Blankets			10	-			
CHI Elec Dist IL Blankets			10	_			1
CHI Elec Dist MI Blankets				_		-	
CHI Elec Dist P&G Plant 12KV Lateral Extens	sion			_			1
CHI Hydro Production Blankets (331-335)				_			
CHI Hydro Production Fox River Turbine En	hance		10	_			
CHI Hydro Production Land Blankets (330)						-	
CHI Nuclear Production Blankets (321-325)			10		Сору		
CHI Nuclear Production Glower Air and Vac	cum		10		Paste		
CHI Other Production Blankets (341-346)			10		T Gotte		
CHI Software Blankets			10	ß	Copy From	n Abc	ove
CHI Special			10		Fill From A	bove	e N
CHI Steam Production Blankets (311-316)			10	h	Copy From		
CHI Steam Production F.G. French - Unit 1	- Tur		10	v	Fill From E		
CHI Steam Production Lake Front - Unit 2 -	Furn					cion	
CHI Thermal Production Blankets (611-616))			٤,	Export to	HTML	L
		r					
Select Super Group	Color	ct Entity/Edit/Report Group/Acc	ount		Select Attribu	to or (Caci
				-			
Super Group: 🔘Any Super En 🔻 🔗	Grou	p: 🕀 Construction Project	- 🗸	<u>_</u>	Attribute/Case	a: 🖸	20
Assign Values for Selected Attribute [Right	Click to	Copy, Fill, & Export]					
Object description		In Service Date-YYYYMM	Та	x De	pr Schedule S	State (
CHI Elec Dist General Common Blankets				MAG	CRS 3	•	· 🔗
CHI Elec Dist General IL Blankets				MAG	CRS 3	•	1
CHI Elec Dist General MI Blankets				MAG	CRS 3	•	1
CHI Elec Dist IL Blankets				MAG	CRS 3	•	
CHI Elec Dist MI Blankets				MAG	CRS 3	•	1
CHI Elec Dist P&G Plant 12KV Lateral Exten	ision			MAG	CRS 3	•	
CHI Hydro Production Blankets (331-335)				MAG	CRS 3	•	
CHI Hydro Production Fox River Turbine Er	hance			MAG	CRS 3	•	
CHI Hydro Production Land Blankets (330)				MAG	CRS 3	-	
CHT Nuclear Production Plankets (221-225)						-	

CHT Nuclear Production Plankets (221-225)

Note, once a user has selected a cell or activated a dropdown in a cell, the right click options are no longer available. To cancel the selection and re-enable them, click in the Winner column.

Edit in Excel

Attribute values can be added, edited, and deleted in Excel. This functionality is very useful when needing to edit or assign attributes for a large number of entities.

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To Edit in Excel, select the Excel icon in the top right hand corner of the Attribute value table or right-click in the column header and click Edit in Excel.

Select Super Group Sel	ect Entity/Edit/Report Group/Acc	ount Select Attribute or Ca	se	Select Sort Behavior	Launch Help				
Super Group: OAny Super En 🔻 🔗 Gro	-Any Super En 🔻 🔗 Group: 🖶 Bonds - Detailed Model		▼ 🔗 Attribute/Case: 🕞 Base Attribut ▼ 🔗		🗕 😽 💿 Help				
Assign Values for Selected Attribute [Right Click to Copy, Fill, & Export]									
Object description	Planning Entity	Issue Type (e.g. FMB)	Issue Date (yyyymm)	Retire Dat Export to Exe	cel Issue Principal 🔳				
CHI 4.00% FMB due January 15, 2045	📄 Chicago Gas 🛛 🔻 🔗	🕒 Subsidized Bond 🛛 🔻 🔗	07/2014	Export to HT	0				
CHI 5.75% Due Jan 5, 2040 (Planned)	📃 🕒 Chicago Electric 🛛 🔻 🔗	🔵 First Mortgage Bond 🔻 🔗	01/2015		0				
Corp 5.5% Senior Notes due Dec. 1, 2016	📃 🕒 UI Energy Parent 🔻 🔗	🕒 Senior Notes 🛛 🔻 🔗		Search Table					
Corp 6.5% Senior Notes due April 1, 2017	📃 🕒 UI Energy Parent 🔻 🔗	😑 Senior Notes 🛛 🔻 🔗	04/2001	Edit in Excel					
Prairie Gen 5.65% Due Jan. 1, 2025	📄 Prairie Gen 🛛 🔻 🔗	😑 Other LTD 🛛 🔻 🔗	01/1995	01/2025					
Prairie Gen 5.60% FMB due Sept. 15, 2033	📄 Prairie Gen 🛛 🔻 🔗	🕒 First Mortgage Bond 🔻 🔗		09/2033					
SG 4.75% Note due Nov 1, 2020	📄 SWEGCO Gas 🛛 🔻 🔗	😑 Senior Notes 🛛 🔻 🔗	11/2010	11/2020	90000				
SG 5.20% Debenture (unsecured) due Dec. 1, 2	. 🕒 SWEGCO Gas 🛛 🔻 🔗	😑 Debenture 🛛 🔻 🔗	11/2004	12/2016					
SG 6.25% Debenture (unsecured) due Nov. 1, 2	. 🔋 SWEGCO Gas 🛛 🔻 🔗	😑 Debenture 🛛 🔻 🔗	01/2002	11/2035					

The entire Attribute Value table will be exported to Excel. Values can then be assigned or edited and saved back to the database. After making the required changes, close Excel and click Yes to Save to Database. The grid will reflect the added or revised values.

Notes

• For any value that are selected manually in the table from a list (i.e. Pointer to another Entity or dates), the user can only use a value from this set list. If the user enters a value not in the list, the code will attempt to find a match. See below under Spellcheck

• Users can enter/edit either Names or Default codes (if displayed – e.g., Budget scenarios)

• Dates are entered as mm/dd/yyyy. Or the user can enter month/year in text. The code translates back to yyymm

В	С	D	E	F	G
Bonds - Detailed Model - Base Attribute Case	Planning Entity	Issue Type (e.g. FMB)	Issue Date (yyyymm)	Retire Date (yyyymm)	New Issue Principal
30632253: CHI 4.00% FMB due January 15, 2045	13: Chicago Gas	SUB: Subsidized Bond	Jul-14	Jul-20	100000
30610650: CHI 5.75% Due Jan 5, 2040 (Planned)	13: Chicago Gas	FMB: First Mortgage Bond	Jan-15	Sep-40	600000
: Corp 5.5% Senior Notes due Dec. 1, 2016	100: UI Energy Parent	SEN: Senior Notes		Dec-16	
: Corp 6.5% Senior Notes due April 1, 2017	100: UI Energy Parent	SEN: Senior Notes	Apr-01	Apr-17	
30621651: Prairie Gen 5.65% Due Jan. 1, 2025	21: Prairie Gen	OTH: Other LTD	Jan-95	Jan-25	
: Prairie Gen 5.60% FMB due Sept. 15, 2033	21: Prairie Gen	FMB: First Mortgage Bond		Sep-33	
: SG 4.75% Note due Nov 1, 2020	32: SWEGCO Gas	SEN: Senior Notes	Nov-10	Nov-20	90000
: SG 5.20% Debenture (unsecured) due Dec. 1, 2016	32: SWEGCO Gas	DEB: Debenture	Nov-04	Dec-16	
: SG 6.25% Debenture (unsecured) due Nov. 1, 2035	32: SWEGCO Gas	DEB: Debenture	Jan-02	Nov-35	
: SG 6.375% Note due Nov. 1, 2032	13: Chicago Gas	SEN: Senior Notes		Nov-32	
: SWEG 5% FMB due Feb 1, 2018	13: Chicago Gas	FMB: First Mortgage Bond	Sep-02	Feb-18	
: SWEG 5.5% Debenture (unsecured) due Nov. 1, 2015	13: Chicago Gas	DEB: Debenture	Dec-04	Nov-15	10000
: SWEG 6.00% FMB due Sept. 1, 2015	13: Chicago Gas	FMB: First Mortgage Bond	Sep-02	Sep-15	
: SWEG 6.25% FMB due March 1, 2038	13: Chicago Gas	FMB: First Mortgage Bond	Mar-02	Mar-38	
: SWEG 6.36% Other LTD due Feb 1, 2022	13: Chicago Gas	OTH: Other LTD	Sep-02	Feb-22	
30624280: SWEG 4.5% FMB Due Feb. 1, 2039	13: Chicago Gas	FMB: First Mortgage Bond	Feb-09	Feb-39	
: SWEG 6.50% FMB due Jan 15, 2032	13: Chicago Gas	FMB: First Mortgage Bond		Jan-32	

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Spellcheck

If the user enters a value in Excel for an association, but that specific entity cannot be found in the list, the code uses a spellcheck to attempt to find a match. This will bring up a dialog that shows the 'best guess', and the user has the option to accept it or to pick a different entity, or cancel that item altogether.

For Attribute	You Provided	Did You Mean?	Update
Issue Type (e.g. FMB)	Deb	Debenture	
Planning Entity	SWG		
Chicago G	as 👻 Jos Lukouruja	 Acquisition Co Chicago Electric Chicago Gas Chicago Nonutility Prairie Gen Suburban Gas SWEGCO Common 	OK Cancel

However, if the user enters an invalid value, such as text into a numeric field or a date field, the system will ignore that entry.

Export to Excel

Right-click on the column header and click Export to Excel. Note – this is distinct from Edit in Excel. Changes made here cannot be saved back to the database.

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	A	В	С	D
1	Object description	Jurisdiction	Revenue Class 💌	Comment 💌
2	(Comment #1
3	ERIL: Experimental Residental Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	R: Residential	
4	ERWI: Experimental Residental Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	R: Residential	
5	HDIL: High Load Industrial Illnois	CE Illinois Electric Retail: CE Illinois Electric Retail	I: Industrial	
6	HDWI: High Load Industrial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	I: Industrial	
7	IDIL: Industrial Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	I: Industrial	
8	IDWI: Industrial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	I: Industrial	
9	LCIL: Large Commercial Illnois	CE Illinois Electric Retail: CE Illinois Electric Retail	C: Commercial	
10	LCWI: Large Commercial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	C: Commercial	
11	RSIL: Residential Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	R: Residential	
12	RSWI: Residential Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	R: Residential	
13	SCIL: Small Commercial Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	C: Commercial	
14	SCWI: Small Commercial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	C: Commercial	
15				

Export to HTML

Right-click any column header and click Export to HTML. This exports a copy to HTML in a web browser.

Object description	Jurisdiction	Revenue Class	Comment
0: 0			Comment #1
ERIL: Experimental Residental Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	R: Residential	
ERWI: Experimental Residental Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	R: Residential	
HDIL: High Load Industrial Illnois	CE Illinois Electric Retail: CE Illinois Electric Retail	I: Industrial	
HDWI: High Load Industrial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	I: Industrial	
IDIL: Industrial Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	I: Industrial	
IDWI: Industrial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	I: Industrial	
LCIL: Large Commercial Illnois	CE Illinois Electric Retail: CE Illinois Electric Retail	C: Commercial	
LCWI: Large Commercial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	C: Commercial	
RSIL: Residential Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	R: Residential	
RSWI: Residential Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	R: Residential	
SCIL: Small Commercial Illinois	CE Illinois Electric Retail: CE Illinois Electric Retail	C: Commercial	
SCWI: Small Commercial Wisconsin	PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail	C: Commercial	

Search Table

Right-click any column header and click Search Table. This allows the user to search for certain attribute values in the table. The search includes values in the Object description column.

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Assign Values for	Selected	Attribute	[Right	Click to	Copy,	Fill, &	Export]
-------------------	----------	-----------	--------	----------	-------	---------	---------

Object description	Jurisdiction	Revenue Class
0: 0	○ ▼ 8	0
ERIL: Experimental Residental Illinois	💿 CE Illinois Electric Retail: CE Illinois Electric Retail 🛛 🔹 🔗	R: Residential
ERWI: Experimental Residental Wisconsin	🕒 PGE Wisconsin Electric Retail: PGE Wisconsin Electric Retail 🛛 🔻 🧭	R: Residential
HDIL: High Load Industrial Illnois	🕒 CE Illinois Electric Retail: CE Illinois Electric Retail 🛛 🔹 🔗	I: Industrial
HDWI: High Load Industrial Wisconsin		<u>I In</u> dustrial
IDIL: Industrial Illinois	😑 Cl 🔍 Search Table	X dustrial
IDWI: Industrial Wisconsin	Enter Text to Search for In Table	dustrial
LCIL: Large Commercial Illnois	● CI	ommercial
LCWI: Large Commercial Wisconsin	Search for Cell Containing: Industrial	d ommercial
RSIL: Residential Illinois		esidential
RSWI: Residential Wisconsin		esidential
SCIL: Small Commercial Illinois		<u>ommercial</u>
SCWI: Small Commercial Wisconsin	😑 PGE WISCONSIN Electric Retail: PGE WISCONSIN Electric Retail 🔹 🔗	C: Commercial

Select Sort Behavior

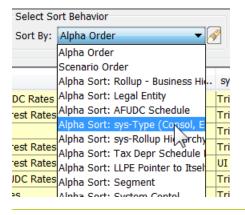
The table in the Assign Values for Selected Attribute section can be sorted using the Select Sort Behavior dropdown.

Select Sort Behavior						
Sort By:	Alpha Order 🗸 🗸	1				
	Alpha Order					
	Scenario Order					
ibute C	Alpha Sort: Winner					
	Alpha Sort: Base Attribute Case					
-	Alpha Sort: Budget Common Attributes					
	Alpha Sort: Analysis Overlay Attribute Case -					

• Alpha Order – Puts the objects in alphabetical order by Name (or by Default Code if selected as an option).

- Scenario Order Puts the objects in scenario order (as defined in the Core Object Editor).
- Alpha Sort: depending upon whether the user is viewing a Case or a specific attribute, the user can choose to do an alpha

sort by that dimension.



See the examples below:

Alpha Order

Select Super Group	Select Entity/Edit/Report Group/Account		Select Attribute or Case	Select Sort	Select Sort Behavior			
Super Group: 💿Any Super Entit 🔻 🔗	Group: 🖶 F	Planning Entity 🔹 😽	Attribute/Case: OShow	All Win 🔻 🔗 🛛 Sort By: 🛛	Sort By: Alpha Order			
Assign Values for Selected Attribute [Right Click to Copy, Fill, & Export]								
Object description		Rollup - Business Hierarchy	Legal Entity	AFUDC Schedule	sys-Type (Consol, Elim, Cor			
Acquisition Co		Electric Segment Consol		Acqusition Co AFUDC Rates	Regular Sub			
Chicago Electric		Tri-State Consol	Chicago Electric Company	Non-Reg Cap Interest Rates	Regular Sub			
Chicago Gas		Tri-State Consol	Chicago Electric Company	CHI AFUDC Rates	Regular Sub			
Chicago Nonutility		Tri-State Consol	Chicago Electric Company	Non-Reg Cap Interest Rates	Regular Sub			
Prairie Gen		UI Energy Consolidated	Prairie Generation Company	Non-Reg Cap Interest Rates	Regular Sub			
Suburban Gas		Tri-State Consol	Suburban Gas Company	Suburban Gas AFUDC Rates	Regular Sub			
SWEGCO Common		Tri-State Consol	Southern Wisconsin E&G Co	SWEG AFUDC Rates	Regular Sub			
SWEGCO Electric		Tri-State Consol	Southern Wisconsin E&G Co	SWEG AFUDC Rates	Regular Sub			
SWEGCO Gas		Tri-State Consol	Southern Wisconsin E&G Co	SWEG AFUDC Rates	Regular Sub			
Tri-State Consol		UI Energy Consolidated			Low-Level Consolidation - Le			

Scenario Order

Select Super Group			Select Attribute or Case		Select Sort Behavior		
Super Group: 🔘Any Super Entit 🔻 🔗	Group: 🖶 F	Planning Entity 🔹 🔗	Attribute/Case: OShow	All Win 🔻 🔗 Sort By: S	cenario Order 🛛 🔻 🤞		
Assign Values for Selected Attribute [Right Click to Copy, Fill, & Export]							
Object description		Rollup - Business Hierarchy	Legal Entity	AFUDC Schedule	sys-Type (Consol, Elim, Cor		
UI Energy Consolidated					Top-Level Consolidation		
UI Energy Parent		UI Energy Consolidated	Lanergy Holding Company		Top-Level Corporate Parent		
UI Energy Elim		UI Energy Consolidated	UI Energy Holding Company		Top-Level Eliminations Entity		
Chicago Electric		Tri-State Consol	Chicago Electric Company	Non-Reg Cap Interest Rates	Regular Sub		
Chicago Gas		Tri-State Consol	Chicago Electric Company	CHI AFUDC Rates	Regular Sub		
Chicago Nonutility		Tri-State Consol	Chicago Electric Company	Non-Reg Cap Interest Rates	Regular Sub		
SWEGCO Electric		Tri-State Consol	Southern Wisconsin E&G Co	SWEG AFUDC Rates	Regular Sub		

Alpha Sort – Attribute

Select Super Group Select Entity/Edit/Report Group/Account		Select Attribute or Case	Select S	ort Behavior	
Super Group: 🔘Any Super Entit 🔻 🔗	Group: 🖶 F	Planning Entity 🔹 😽	Attribute/Case: OShow	All Win 🔻 🔗 Sort By:	Alpha Sort: sys-Type (Co 🔻
Assign Values for Selected Attribute [Right Cli	ck to Copy, Fill,	& Export]			
Object description		Rollup - Business Hierarchy	Legal Entity	AFUDC Schedule	sys-Type (Consol, Elim, Cor
Tri-State Consol		UI Energy Consolidated			Low-Level Consolidation - Le
Tri-State Parent		Tri-State Consol	Tri-State Utilities		Low-Level Corporate Parent
Tri-State Elim		Tri-State Consol	Tri-State Utilities		Low-L el Eliminations - Leg
Acquisition Co		Electric Segment Consol		Acqusition Co AFUDC Rates	Regular Sub
Chicago Electric		Tri-State Consol	Chicago Electric Company	Non-Reg Cap Interest Rates	Regular Sub
Chicago Gas		Tri-State Consol	Chicago Electric Company	CHI AFUDC Rates	Regular Sub
Chicago Nonutility		Tri-State Consol	Chicago Electric Company	Non-Reg Cap Interest Rates	Regular Sub
Prairie Gen		UI Energy Consolidated	Prairie Generation Company	Non-Reg Cap Interest Rates	s Regular Sub
Suburban Gas		Tri-State Consol	Suburban Gas Company	Suburban Gas AFUDC Rates	Regular Sub
SWEGCO Common		Tri-State Consol	Southern Wisconsin E&C Co	SWEG AFUDC Rates	Regular Sub

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Note – the ordering options on the One Parameter Editor are independent of the user's selection in the Sort Order dialog. For example, the user may have chosen to see Planning Entities in Scenario Order. In the One Parameter Editor, they may opt to see them in Alpha order.

Security and Visibility

Below is information regarding security and visibility related to the One Parameter Editor screen.

Owner Groups

The One Parameter Editor will only show cases and entities that the user has rights to see, and if a user attempts to make a change to a case or entity group for which they do not have Edit rights to, the save will fail, and the user will get a warning message to that effect.

Select Super Group		Select Entity/Edit/Report Group/Account		Select Attribute	or Case		
Super Group	▼ 🔗	Group: 🖶 Planning Entity	▼ 🔗	Attribute/Case:	G View:	2016 Attribute Overlay 🔻	A
Assign Values for Selected Attribute [Right Click to	o Copy, Fi	ll, & Export]					
Object description	Rollup	Pucinoce Hiorarchy Logal Entity	Δ.	EUDC Schodulo	_	ove-Tuno (Concol Elim (Çor
Acquisition Co	0	Security constraint preventing of a security constraint prevent	lata change			×	
Chicago Electric	0		-		-		
Chicago Gas	0	Attempting data change:				^	
Chicago Nonutility	0	Case Read-only: View: 2016 A	ttribute Ove	rlay			
Prairie Gen	0						
Suburban Gas	0						
SWEGCO Common	0						
SWEGCO Electric	0						
SWEGCO Gas	0						
Tri-State Consol	0						
Tri-State Elim	0						
Tri-State Parent	0					-	
UI Energy Consolidated	0				Do not ch	au this massage again	
UI Energy Elim	0			ОК	Do not sh	ow this message again	
UI Energy Parent	0						
UI Convisoo							

Locked Cases

Users cannot edit data in a locked case.

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Select Super Group		Select Entity/Edit/	Report Group/Account		Select Attribute	or Case		
Super Group: O Any Super Entity	/ Group 🔻 🔗	Group: 🖶 Plann	ing Entity	▼ 🔗	Attribute/Case:	O Locke	d-2016 Attribute Over	lay 🔻 📝
Assign Values for Selected Attribute	[Right Click to Copy, Fil	l, & Export]						
Object description	AFUD	C Schedule	Corporate Parent	Div	vidend Parent		Legal Entity	
Acquisition Co	0		• 🔗 💿	▼ 🔗 💿		-	0	
Chicago Electric	0		• 🔗 📀	- 🔗 💿		- 1	0	- 🖌
Chicago Gas			✓ A 0	▼ 🔏 0		_	0	
Chicago Nonutility	Security construction	aint preventing d	ata change		N	X	D	
Prairie Gen						-	D	
Suburban Gas	Attempting data	-					D	
SWEGCO Common	Case Locked: Lo	cked-2016 Attr	ibute Overlay				D	
SWEGCO Electric							þ	
SWEGCO Gas						=	p	
Tri-State Consol							p	
Tri-State Elim							D	
Tri-State Parent						-	D	
UI Energy Consolidated							D	
UI Energy Elim			0	K Do no	t show this messag	e again	P	
UI Energy Parent							δ	
UI Services	0		• 🔗 0	- 🔊 🔿			0	

Visibility

Cases and Entities that have been set as Not Visible in the Core Object Editor will not appear on the One Parameter Editor screen.

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Edit Attributes

The UIPlanner Edit Attributes screen is the primary screen for viewing and editing entity objects within UIPlanner. This screen is used to create and maintain entity groups, entities and attributes and is typically reserved for system administrators.

Entities are Objects and key structural elements of UIPlanner that are used to organize and configure calculation logic and reporting. Entities are used as dimensions in datasets and as the context for Model reports. In Shared Table implementations, entity groups can be shared across instances, which allows instances to use a common list of entities.

Attributes are information used to characterize or categorize the entity. Associations are a specific type of attribute, which are used to link one Entity Group to another.

Edit Attributes ×		
Limit Tree by Super Entity Group Model Select Entity or Group Filter: Model Bond Issue Type Bond Issue Type LT - 2004 SERIES B BONDS UT - 2004 SERIES E BONDS UT - 2006 SERIES E BONDS	Assign Attribute Values for Entity - 1999 - 6.65% NOTES due 4/1 Select Case: Base Attributes (Working) (Base) Name by Case: 1999 - 6.65% NOTES due 4/1/2029 Associations Show rollup periods: One Two Three Four Delete Description Bonds - Bond Transaction ID Bonds - Issue Type Bonds - Planning Entity Bonds - Variable Rate? (Variable = Yes)	▼]
 LT - 2010 SERIES B BONDS LT - 2011 SERIES A BONDS LT - 2011 SERIES E BONDS Jurisdiction Model Account Nuclear Fuel Asset Owner Groups Planning Entity Preferred Stock Issue Schedule M Security Roles Yes / No 	Attributes Delete Description Bonds - First Payment Date (YYYYMM) Bonds - Fixed Interest Rate (5 pct = 5) Bonds - Issue Date (YYYYMM) Bonds - Issue Date (YYYYMM) Bonds - Susue Date (YYYYMM) Bonds - New Issue Cost Percent (2 pct = 2) Bonds - New Issue Discount (Premium) Bonds - New Issue Principal (\$) Bonds - New Issue Principal (\$) Bonds - Payment Day (1-30)	Value 04/2008 6.65 04/1999 1 6 300000000
Create Refresh Create & Edit Copy Attributes	Comments Memo Attribute: Entity Comment • CUSIP 76543453	

Entity Groups, Entities, Attributes and Associations

Attributes encompass both Attribute Definitions and Attribute Data. An Attribute Definition is a placeholder for data about

Entities within an Entity Group; it is defined for the entity group. Attribute Data is defined for the individual entity.

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The example below shows the relationship between Entity Groups, Entities, Attributes and Associations.

- » Entity group: Bonds Detail Model
- Entities: CHI 5.5% FMB, CHI 5.5% Senior Notes, CHI 5.625% PCB
- Attribute definitions: Issue Date, Retire Date, Fixed Interest Rate
- » Associations: Planning Entity, Issue Type
- Attribute data: the data filled out for the entities and attributes

Edit Attributes ×			
Limit Tree by Super Entity Group	Define Attributes for Entity Group - Bonds - Detailed Mod	lel in Case Base Attribute Case	
🖽 Model 🗸 🔻	🗋 Create new attribute	Link attribute to Entity Group	🗶 Remove link to Entity Group
Select Entity or Group			
Filter:	Edit Tree Name	Туре	Option Set
Model AFUDC Rate Schedule AFUDC Rates Bond Issue Type Bonds - Detailed Model	Image: Constraint of the second se	Date (YYYYMM) Date (YYYYMM) Input parameter value (dollars, dates, Pointer to another entity	Planning Entity 🔹 📝
CHI 5.5% FMB due Nov 1, 2035 CHI 5.5% Senior Notes due May 15, 2017 CHI 5.625% PCB due May 15, 2033	C Issue Type (e.g. FMB) Fixed vs Variable Switch (fixed =0) C Interest Payment Month (1-12) Issue Day	Pointer to another entity Input parameter value (dollars, dates, Input parameter value (dollars, dates, Input parameter value (dollars, dates,	Bond Issue Type

Below is the related data:

Entity Group: Bonds - Detail Model				Association	Association	
	Issue Date	Retire Date	Interest Rate			
Attribute>>	(yyyymm)	(yyyymm)	(Fixed)	Planning Entity	Issue Type (e.g. FMB)	
CHI 5.5% FMB due Nov 1, 2035	200911	203511	5.5	Chicago Electric	First Mortgage Bond	7
CHI 5.5% Senior Notes due May 15, 2017	200511	201705	5.5	Chicago Electric	Senior Notes	- Attribute Data
CHI 5.625% PCB due May 15, 2033	200203	203305	5.625	Chicago Electric	Pollution Control Bond	

Attributes of entities (as opposed to attributes of lines or reports, which will not be covered here) can take two forms.

- » An attribute can represent a unique fact about an entity such as Issue Date, shown in the chart above
- An attribute that is an Association points to a separate entity group, such as Planning Entity or Issue Type. Planning Entity and Issue Type are both existing entity groups. The data beneath them (Chicago Electric, First Mortgage Bond, etc.) are existing entities within the respective Entity Group

Screen Layout

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^{Model} Select Case: Base Attributes (Working) (Base) ^{Select Case:} Base Attributes (Working) (Base) ^{Select Case:} 1999 - 6.65% NOTES due 4/1/2029 ^{Model} ^{Select Case:} 1999 - 6.65% NOTES due 4/1/2029 ^{Model} ^{Select Case:} 1999 - 6.65% NOTES due 4/1/2029 ^{Model} ^{Select Case:} 1999 - 6.65% NOTES due 4/1/2029 ^{Model} ^{Select Case:} 0 ne Two Three Four ^{Model} ^{Select Case:} 0 ne Two Three Four ^{Model} ^{Select Case:} ^{Select Case:} ^{Bodd} ^{Select Case: ^{Select Case:}}</sup></sup></sup></sup></sup>	Edit Attributes ×	Assign Attribute Values for Entity - 1999 - 6.65% NOTES du	in 4/1/2020
Select Entity or Group Filter: Image: Select Entity or Group Filter: Image: Select Entity or Group Image: Select Enti			
Filter: Model Model		babe / tanbateb (Working) (babe)	•
Model Image: Sector S	· ·		
•••••••••••••••••••••••••••••			
Bond Issue Type Bonds Create Create Create		Show rollup periods: One Two Three	Four
Bonds Bonds - Bond Transaction ID 30018 I T - 2004 SERIES 8 BONDS I T - 2006 SERIES A BONDS I T - 2006 SERIES 8 BONDS I T - 2005 SERIES B BONDS Bonds - Planning Entity Chicago Electric I T - 2011 SERIES B BONDS Bonds - Variable Rate? (Variable = Yes) I T - 2011 SERIES B BONDS I T - 2011 SERIES B BONDS I T - 2011 SERIES B BONDS I T - 2011 SERIES B BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES B BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES B BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I T - 2011 SERIES A BONDS I D ADDA - ADD	🖶 🖶 Bond Issue Type	Delete Description	Value
LT - 2004 SERIES 8 BONDS First & Refunding Mortaage Bonds LT - 2006 SERIES A BONDS Gonds - Issue Type LT - 2006 SERIES A BONDS First & Refunding Mortaage Bonds LT - 2006 SERIES A BONDS T - 2001 SERIES B BONDS LT - 2011 SERIES A BONDS T - 2011 SERIES E BONDS LT - 2011 SERIES A BONDS T - 2011 SERIES E BONDS LT - 2011 SERIES A BONDS T - 2011 SERIES E BONDS Model Account Bonds - First Payment Date (YYYMM) Worker Fuel Asset Bonds - First Payment Date (YYYMM) Delete Description Vulcer Fuel Asset Bonds - Issue Date (YYYMM) Owner Groups Bonds - Issue Date (YYYMM) Bonds - First Bonds - Issue Date (YYYMM) 04/2008 Bonds - Scoul Interest Rate (5 pct = 5) 6.65 Bonds - Issue Date (YYYMM) 04/1999 Bonds - New Issue Cost Percent (2 pct = 2) Bonds - New Issue Cost Percent (2 pct = 2) Bonds - New Issue Dricopal (\$) 30000000 Bonds - New Issue Principal (\$) 30000000 Bonds - Payment Day (1-30) Comments Create & Edit Copy Attributes - Entity Comment - CUSIP 7 6543453 CUSIP 7 6543453 <td></td> <td>Bonds - Bond Transaction ID</td> <td>30018 🗸 🏹</td>		Bonds - Bond Transaction ID	30018 🗸 🏹
LT - 2004 SERIES G BONDS LT - 2006 SERIES A BONDS LT - 2010 SERIES B BONDS LT - 2011 SERIES A BONDS LT - 2011 SERIES A BONDS LT - 2011 SERIES A BONDS Diridiction Value Value Delete Description Value Delete Description Value Delete Description Value Downer Groups Preferred Stock Issue Preferred Stock Issue Schedule M Security Roles P Yes / No			First & Refunding Mortgage Bonds 🔹 😿
• LT - 2006 SERIES E BONDS • LT - 2011 SERIES A BONDS • Delete Description Value • Modela Account • Preferred Stock Issue • Preferred Stock Issue • Schedule M • Security Roles • Yes / No Bonds - New Issue Cost Percent (2 pct = 2) Bonds - New Issue Oricipal (\$) Bonds - New Issue Discourt (Premium) Bonds - New Issue Principal (\$) Bonds - Payment Day (1-30) • Bonds - New Issue Principal (\$) Bonds - Payment Day (1-30) • Bonds - Payment Day (1-30) <td></td> <td>Bonds - Planning Entity</td> <td>Chicago Electric 🔹 😽</td>		Bonds - Planning Entity	Chicago Electric 🔹 😽
• LT - 2010 SERIES B BONDS • LT - 2011 SERIES E BONDS • Durisdiction • Model Account • Model Account • Model Account • Delete Description Value Delete Description Delete Descretent Copy Attribute Descre		Bonds - Variable Rate? (Variable = Yes)	
Attributes Durisdiction Wodel Account Woulcar Fuel Asset Owner Groups Planning Entity Prefered Stock Issue Schedule M Security Roles Pyes / No Create Refresh Create & Edit Comments Create & Edit Copy Attributes Attributes Attributes Delete Description Value Delete Description Owner Groups Bonds - First Payment Date (YYYMM) Odd/1999 Bonds - Issue Date (YYYMM) Odd/1999 Bonds - Issue Date (YYYMM) Odd/1999 Bonds - New Issue Date (YYYMM) Output Bonds - New Issue Date (PYYMM) Output Bonds - New Issue Date (Pyternium) Bonds - New Issue Discount (Premium) Bonds - Payment Daty (1-30) Custor P 76543453			
Inside to inside the bold of the bo		Attributes	
Image: Model Account Value Image: Nuclear Fuel Asset Bonds - First Payment Date (YYYYMM) 04/2008 Image: Delete Description 04/1999 Image: Delete Description 0 Image: Delete Description 0 Image: Delete Description 0 <			
Create Refresh Create & Edit Copy Attributes	🖶 🚰 Model Account	· · ·	
Planning Entity Preferred Stock Issue Schedule M Security Roles Yes / No Bonds - Issue Date (YYYYM) 04/1999 Bonds - Issue Date (YYYYM) 04/1999 Image: Schedule M Bonds - Issue Date (YYYYM) Image: Bonds - New Issue Cost Percent (2 pct = 2) Image: Bonds - New Issue Discount (Premium) Image: Bonds - New Issue Principal (\$) Image: Bonds - Payment Day (1-30) Image: Create Refresh			
Preferred Stock Issue 00/1505 1 Schedule M Bonds - Issue Day (1-30) 1 Bonds - Months Between Payments 6 Bonds - New Issue Cost Percent (2 pct = 2) 0 Bonds - New Issue Discount (Premium) 0 Bonds - New Issue Principal (\$) 30000000 Bonds - Payment Day (1-30) 0 Create Refresh Memo Attribute: Entity Comment CUSI P 76543453 CUSI P 76543453			
Image: Schedule M Image: Schedule M <t< td=""><td>🖶 🖶 Preferred Stock Issue</td><td></td><td>1</td></t<>	🖶 🖶 Preferred Stock Issue		1
Bonds - New Issue Cost Percent (2 pct = 2) Bonds - New Issue Discount (Premium) Bonds - New Issue Discount (Premium) Bonds - New Issue Principal (\$) 30000000 Bonds - New Issue Ost Percent (2 pct = 2) Bonds - New Issue Discount (Premium) Bonds - New Issue Principal (\$) Bonds - Payment Day (1-30) Comments Memo Attribute: CUSIP 76543453			6
Create Refresh Create & Edit Copy Attributes			
Create Refresh Create & Edit Copy Attributes CUSIP 76543453		Bonds - New Issue Discount (Premium)	
Create Refresh Create & Edit Copy Attributes			30000000
Create Refresh Create & Edit Copy Attributes CUSIP 76543453		Bonds - Payment Day (1-30)	
Create & Edit Copy Attributes CUSIP 76543453		Comments	
	Create Refresh	Memo Attribute: Entity Comment 🔻	
	Create & Edit Copy Attributes	CUSIP 76543453	A
The p	⑦ Help		T

Edit Attributes has two main regions. The left region contains the entity tree, which shows the entity groups and entities by the super entity group. S. hared Entity Groups are identified by a special icon. In the example above

- >> The Super Entity group selected is Model, which shows all of the associated entity groups beneath it.
- Asset Type and Model Account are Shared Entity Groups.
- Bonds Detail Model is an Entity Group, which has been expanded to show individual entities
- CHI 5.5% FMB due Nov 1, 2035 is the selected entity in the list. The right region displays information according to the active node that is selected in the entity tree on the left

Both regions are explained in more detail throughout.

Active Super Entity Group

In the left region of the screen, select a super entity group in the dropdown beneath Limit Tree by Super Entity Group. No information will be displayed on the right side of the screen.

	Edit Attributes ×	
	Limit Tree by Super Entity Group	Select an Entity or Entity Group
	😕 Model 🔹 🔻	
	Select Entity or Group	
	Filter:	
	(# Model	
	🖶 🚰 Asset Type	
	Bonds	
1	🕀 🖶 Jurisdiction	
	🕀 🚏 Model Account	
	Hereit	
	🖶 🖶 Owner Groups	
	Preferred Stock Issue	
	🕀 🚰 Schedule M	
	B B Security Roles	
	🗄 🖶 Yes / No	

Active Entity Group

Select an entity group in the tree. The Define Attributes for Entity Group region will be displayed to the right of the tree.

Limit Tree by Super Entity Group		Define /	Attribute	s for Entity Group - Bonds	in Case Bas	se Attributes (Working)	
😬 Model	▼		📑 Crea	ate new attribute	🔄 🗳 Lin	nk attribute to Entity Group	💢 Remove link to Entity Group
Select Entity or Group				,			
Filter:		Edit	Tree	Name		Туре	Option Set
🕮 Model 🌐 📲 Asset Type		$\Box a$	T CT	Bonds - Bond Transactio	n ID	Pointer to another entity	Bond Transaction ID
Bond Issue Type		Ũ	Ē	Bonds - First Payment Da	ate (YYYYY	Date (YYYYMM)	
🖽 🖶 Bonds			ŪŪ	Bonds - Fixed Interest Ra	ate (5 pct	Input parameter value (dollars, d	
Urisdiction Image: Account in the second				Bonds - Issue Date (YYY)	(MM)	Date (YYYYMM)	
Model Account Model Account Muclear Fuel Asset				Bonds - Issue Day (1-30))	Input parameter value (dollars, d	l
Owner Groups				Bonds - Issue Type		Pointer to another entity	Bond Issue Type 🗾 🗸
🖶 🖶 Planning Entity				Bonds - Months Between	Payments	Input parameter value (dollars, d	l
🖶 🖶 Preferred Stock Issue				Bonds - New Issue Cost	Percent (Input parameter value (dollars, d	l
🖶 🛃 Schedule M 🗄 🖶 Security Roles		_1_	<u> </u>			Input parameter value (dollars, d	
Yes / No			<u> </u>	Bonds - New Issue Princ	1 (1) (1)	Input parameter value (dollars, d	
			<u> </u>	Bonds - Payment Day (1-	30)	Input parameter value (dollars, d	· · · · · · · · · · · · · · · · · · ·
			<u> </u>	Bonds - Planning Entity		Pointer to another entity	Planning Entity 🔻 🖌
			LC_	Bonds - Retire Date (YYY		Date (YYYYMM)	
				Bonds - Retire Day (1-30		Input parameter value (dollars, d	
			U_U_	Bonds - Variable Rate? (Variable	Pointer to another entity	Yes / No 🔻 🏹
Create	Refresh						
Create & Edit	Copy Attributes						
(?) H	tala.						

Active Entity

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Click on the "+" sign next to the selected entity group to view all entities within that entity group. Select an individual entity to make it active. The attribute and association information for the selected entity will appear in the Assign Attribute Values for Entity region.

🖶 Edit Attributes 🗙		
Limit Tree by Super Entity Group	Assign Attribute Values for Entity - 1999 - 6.65% NOTES due 4	1/1/2029
Model 🔻	Select Case: Base Attributes (Working) (Base)	▼
Select Entity or Group	Name by Case: 1999 - 6.65% NOTES due 4/1/2029	
Filter:	Associations	
Model ⊕ ∰ Asset Type	Show rollup periods: One Two Three For	ur
Bond Issue Type	Delete Description	Value
9 1999 - 6.65% NOTES due 4/1/2029	Bonds - Bond Transaction ID	30018 V First & Refunding Mortgage Bonds V
ET - 2004 SERIES B BONDS	Bonds - Issue Type	First & Refunding Mortgage Bonds 🔹 🗸 🔗
 LT - 2004 SERIES G BONDS LT - 2006 SERIES A BONDS 	Bonds - Planning Entity	Chicago Electric 🔹 💉
UT - 2006 SERIES A BONDS UT - 2006 SERIES E BONDS	Bonds - Variable Rate? (Variable = Yes)	
ET - 2010 SERIES B BONDS		
 LT - 2011 SERIES A BONDS LT - 2011 SERIES E BONDS 	Attributes	
☐ ⊕ ⊕ Jurisdiction	Delete Description	Value
🕀 🖶 Nuclear Fuel Asset	Bonds - First Payment Date (YYYYMM)	04/2008
Owner Groups	Bonds - Fixed Interest Rate (5 pct = 5)	6.65
Planning Entity	Bonds - Issue Date (YYYYMM)	04/1999
Schedule M	Bonds - Issue Day (1-30)	1 =
🕀 🖶 Security Roles	Bonds - Months Between Payments	6
🕀 🖶 Yes / No	Bonds - New Issue Cost Percent (2 pct = 2)	
	Bonds - New Issue Discount (Premium)	30000000
	Bonds - New Issue Principal (\$) Bonds - Payment Day (1-30)	
	bolids - Payment Day (1-50)	
	Comments	
Create Refresh	Memo Attribute: Entity Comment 🔻	
Create & Edit Copy Attributes	CUSIP 76543453	^
() Help		T

Shared Entity Groups

In Shared Table implementations, entity groups can be shared across instances, which allows instances to use a common list of entities. This ensures that the entity lists of the Shared Entity groups are synchronized between UIPlanner instances. In the Shared Table construct, one instance 'owns' the Entity Group, while other instances 'subscribe' to it, which means they can see the entity list (and create/delete entities, if granted).

Shared Entity Groups are indicated by a special icon.

🖶 Edit Attributes 🗙	
Limit Tree by Super Entity Group	Select an Entity or Entity Group
C [™] Model	
Select Entity or Group	
Filter:	
C Model	
Bonds	
H Model Account Determined Account	
🕀 🖶 Owner Groups	
Henning Entity Henrice Stock Issue	
⊕ ∰ Schedule M	
🕀 🖶 Security Roles	
🗄 🖶 Yes / No	

Note that sharing of Entity Groups shares only the list of entities. Attributes and attribute data are not shared,

Default Codes

Note in the above example (a Model scenario), that the entities listed display only the names. Typically in Model scenarios the default codes are not displayed (a User Preference).

Preference Manager		X
System Behavior Output Options Delete/Copy Preferen	nces	
Define My System Behavior		
Do NOT show data from time-dependent editor	On time-dependent editor store selected entities	Suppress security messages when editing.
Create Ledger run-time reports.	Write allocation txt files	Run Sequences: Use Selectors & Single Panel
Multidimensional Calculations: split screen top &	Show Drilldown in actuals periods for Excel Repo	Popup Description on Sequences
Only show Reports that have been run on Brows	Remember last selection on posting screen.	Suppress 'OK to Close?' when closing system.
Show data change alerts on-the-fly.	$\ensuremath{\fbox{\square}}$ For new lines, set to Dollars WITHOUT Actuals ('Locked' text on locked cases trails case name
Line-by-Entity: Zero Suppress by line	Suppress Drill-down for compare scenarios	✓ Hide Default Code in Entity Names

However, in Multidimensional scenarios (such as Budget Implementations) the Default Codes are generally relevant, and users chose to display them. See below.

🖶 Edit /	Attributes ×	
Limit T	ree by Super Entity Group	
🗁 Bu	dget	▼
Select	Entity or Group	
Filter:		
	Budget Type Budget Unit Components Budget-Units DLPI: Distribution Line-Pole Inspections NSIR: New Service Install - Residential DLTI: Distribution Line-Transformer Insp PCCT: PC Count DLPR: Distribution Line-Pole Replacement LIME: Chemicals - Lime MS: Chemicals - Mercury Sorbent AMM: Chemicals - Ammonia Budgeted/Approved Change Order Status Commitment Tracking Component Company Statistics Department N: No Center O11: Human Resources R All: All	
	 002: Finance 002R: Finance Rollup 003: Corporate Services 003R: Corporate Services 	
	004: Transmission & Distribution 004R: Transmission & Distribution 005: Generation 005R: Generation	
	006: Customer Care 006R: Customer Care 007: Corporate	

Create Entity Groups and Entities

The Edit Attributes screen displays a tree of entity groups and entities for a selected super entity group. There are various action buttons available below the tree depending on whether an Entity Group or an Entity is selected. The Create button is used to create both Entity Groups and Entities.

Create Entity Group

To create an Entity Group, highlight any Super Entity Group from the tree. Click the Create button on the bottom of the tree to open the Add Object dialog. Type in the name of the Entity Group to add. After closing the dialog, the new Entity Group will appear in the tree.

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# Edit Attributes ×	
Limit Tree by Super Entity Group	Select an Entity or Entity Group
Model 💌	
Select Entity or Group	ntityGroup - Objects created will have initial visibility in case: Base Attribute Case
Model Select par	
AFUDC Rates Optional S	Add Objects Listed Below Save to disc (saves all attribute of
Bonds - Detailed Model	Add Objects Listed Below Save to disc (saves all attribute of Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Rig
Electric Revenue Schedule Electric Revenue Schedule Electric Revenue Schedule Gas Revenue Class Gas Revenue Schedule Durisdiction Model Project	tity Group
Branning Entity Begment Tax Depreciation Rate Schedule	
Click on a	row. New objects are added below the selected row.
Limit Tree by Super Entity Group	
Select Entity or Group	
Filter:	
 Model AFUDC Rate Schedule AFUDC Rates Bond Issue Type Bonds - Detailed Model Electric Revenue Class Electric Revenue Schedule Fuel Clauses Gas Revenue Schedule Jurisdiction Model Project New Entity Group Planning Entity Segment Tax Depreciation Rate Schedule 	

Create Entity

To create an Entity (or Entities) within an Entity Group, highlight the desired Entity Group. Click the Create button and add the entities in the Add Entity dialog.

Note: Be careful to use the Create button on the bottom or the Entity Tree. Do not use the Create new Attribute button on the right region of the screen, as this button is used to create attributes.

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After the entities have been created, they will appear in the tree, beneath the entity group.

Limit Tree by Super Entity Group	Def	ine Attributes for Entity Group - Fuel Claus	es in Case Base Attribute Case	
😕 Model 🗸 🗸		Create new attribute	🗳 Link attribute to Entity Group	X R
Filter: Select p Image: Model Select p	arent:	- Objects created will have initial visil Fuel Clauses y Group (Owner):	· · · · · · · · · · · · · · · · · · ·	
Bonds - Detailed Model Bonds - Detailed Model Electric Revenue Class Chicago Electric ECA Gas Revenue Class Gas Revenue Schedule Jurisdiction Model Project New Entity Group	uel Cla		Save to disc (saves all attribute ch er name for default code: 'New name 0052'. Righ	
Limit Tree by Super Entity Group Model Select Entity or Group Filter: Model AFUDC Rate Schedule AFUDC Rates Bond Issue Type Bonds - Detailed Model Electric Revenue Class Electric Revenue Schedule Chicago Electric ECA New Fuel Clause Gas Revenue Class				

If the user tries to create an entity in a Shared Entity Group to which the current instance does not have Create rights, the

system will give a warning message.

🗄 🖶 Gas Revenue Schedule

Jurisdiction
 Model Project
 New Entity Group
 Planning Entity
 Segment

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Edit Attributes ×			
Limit Tree by Super Entity Group	Define Attributes for Entity Group - Asset	Type in Case Base Attributes (Working)	
🕮 Model 💌	Create new attribute	Link attribute to Entity Group	🗶 Remove link to Entity Group
Select Entity or Group			
Filter:	Edit Tree Name	Туре	Option Set
(≇ Model		1996	option Sec
Bond Issue Type			
🖶 🖶 Bonds			
⊕ ⊕ Jurisdiction ⊕ ∰ Model Account			
🖶 🖶 Nuclear Fuel Asset			
Owner Groups			X
Shared Tables Security Manager Error			
You do not have permission to Edit the Shared Entity	y Group Asset Type Please contact you	ur administrator to change the security	rights for this Entity Group
	y Group Asset Type. Trease contact you	ar administrator to change the security	rights for this Entry Group.
	ОК		
Create			
Create & Edit Copy Attributes			
⑦ Help			

Refresh

After creating entity groups and entities, use the Refresh button to refresh any changes to an entity group or entity. The Create & Edit button and the Copy Attributes button will be described in detail in a later section.

Entity Group Level Actions

When an Entity Group is selected, or active, the right region of the screen will be populated with the attribute definitions and associations for that Entity Group. If no attributes have been created for the entity group, the right region will appear blank.

Create New Attribute

To add attribute definitions for the entity group, click the Create New Attribute button. This will bring ip up the Add Object Dialog. Enter the attribute definitions in the text field and Hit Add Object

The newly added attribute definitions will appear as lines in the right region of the screen. There are three columns for attribute definitions: Name, Types and Option Set. Assign the Type and Option Set choices according to the below.

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# Edit Attributes ×			
Limit Tree by Super Entity Group	Define Attributes for Entity Group - Fuel Clauses i	n Case Base Attribute Case	
😕 Model 🔻	Create new attribute	🔄 Link attribute to Entity Group	🗶 Remove link to Entity Group
Select Entity or Group			
Filter:	Edit Tree Name	Туре	Option Set
🥮 Model		Pointer to another entity	Planning Entity
AFUDC Rate Schedule AFUDC Rates	New Attribute A		
🖶 🖶 Bond Issue Type			
Electric Revenue Class			
Electric Revenue Schedule			
Chicago Electric ECA			
New Fuel Clause Hereit Gas Revenue Class			

- Name: Name of the attribute definition. This name can be edited directly within the field.
- Type: The attribute type defines the type of data that will be collected. The dropdown options are described below.
 - o Total (sum of months): No longer used. Use Input Parameter Value.
 - o Percent divided by 12 for monthly (e.g. Interest rates): No longer used. Use Input Parameter Value.
 - o Percent same value for month or annual (e.g. Tax rates): No longer used. Use Input Parameter Value.

o Pointer to another entity: An association. When this type is selected the Option Set dropdown will appear	r to
select an entity group to point to.	

- o Input parameter value (dollars, dates, rates, etc.): Used to input any value or text
- o Date (YYYMM): Used to select a date with year and month.
- o Yes or No: Used to select either Yes or No. When this attribute is used in a report, Yes returns a value of "1" and No returns a value of null, or "0".
- o Pointer to a named filter: Used to select a filter created in the Multidimensional Filter Editor screen
- o Memo (large text): Used as a freeform text field
- o Planning Entity Type: Used to set up of Planning Entity hierarchy. Allows the user to choose from various types (Regular Sub, Pure Input Sub, Top Level Consol, Top Level Elim etc.)
- o Range Format: No longer used
- Option Set: The Option Set column is only relevant if the attribute type is "Pointer to another entity." The dropdown lists all entity groups to choose from. If the attribute type is anything else, the Option Set column cannot be edited.

Link Attribute to Entity Group

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One of the options available at the Entity Group level is the ability to link an Attribute of the selected Entity Group to another Entity Group. This allows the user to make use of an existing relationship.

Click the Link attribute to Entity Group button, which opens the Select Entity Group & Attribute Definition dialog window.

Entity Group (optional):	elect Entity Group and Attribute Defi	nition
Attribute Definition:	ntity Group (optional):	
	Attribute Definition:	

Click in the Entity Group (optional) field to open a list of available options.

Entity Group	
Entity Group: 7	
Budget Globals	*
🖶 Budget-Units	
🖶 Daily Cash Pool	
🖶 Department	
🖶 Driver Context	
🖶 Electric Revenue Class	
🖶 Electric Revenue Schedule	
Escalation Rates	+
	OK Cancel

Click in the Attribute Definition field to open a list of available options.

ĺ	AttributeDefinition
	AttributeDefinition:
2	R Locked
	Pointer to Planning Entity Output Description: Descriptindescriptindescription: Desc
4	
9	
	OK Cancel
	Caricer

Remove Link to Entity Group

When an entity group is selected, one of the available options is to remove any links from an attribute to another entity group. To remove a link that is no longer needed for that entity group, highlight the link row, not the original attribute, and click the Remove link to Entity Group button.

Note – in removing a Linked Attribute, be sure to remove the Link from the Secondary (Linked) Entity Group, not the original one. Selecting the base Entity Group will delete the attribute itself.

Edit Column

Clicking the "1" under the Edit column for a given attribute opens the One Parameter Editor screen for that attribute. See the One Parameter Editor help section for more information.

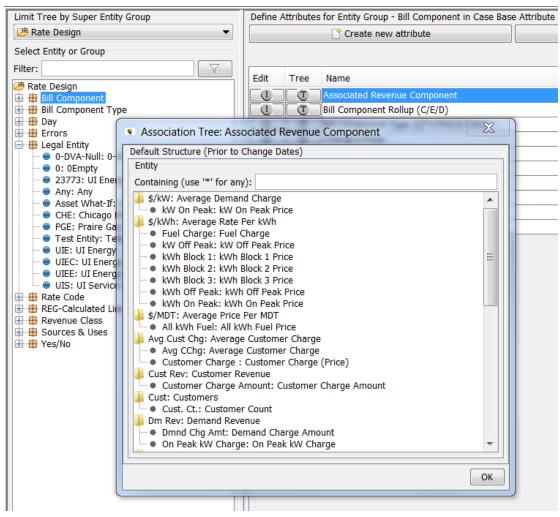
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🖶 Edit Attributes 🗙 🕕 One Parameter Editor 🗴						
Select Super Group	Select Entity/Edit/Report Group/Acc	Select Attribute or Case				
Super Group: 😕 Rate Design 🔹 🔗	Group: 🖶 Bill Component	▼ 🔗	Attribute/Case:	: 🔞 Associated Revenue Compo		
Assign Values for Selected Attribute [Right Click to Copy, Fill,	& Export]					
Object description	Winner	Base Attribute Case		Budget Common Attributes		
All kWh Fuel: All kWh Fuel Price	\$/MDT: Average Price Per M	0	▼ 🔗	🔵 \$/MDT: Average 🔻 🔗		
All kWh Qty: All kWh Qty		0	▼ 🧖	○ ▼		
Avg \$/kW: Average \$/kW		0	▼ 🧖	○ ▼		
Avg \$/kWh: Average \$/kWh		0		○ ▼		
Avg CChg: Average Customer Charge	Avg Cust Chg: Average Cust	😑 Avg Cust Chg: Avera	ge Cust 🔻 🔗	● ▼ 🔗		
Cust. Ct.: Customer Count	Cust: Customers	Cust: Customers		○ ▼		
Customer Charge : Customer Charge (Price)	Avg Cust Chg: Average Cust	😑 Avg Cust Chg: Avera	ge Cust 🔻 🔗	● ▼ 🔗		
Customer Charge Amount: Customer Charge Amount	Cust Rev: Customer Revenue	😑 Cust Rev: Customer	Revenue 🛛 🔻 🔗	○ ▼		
Customer: Customer		0		● ▼ 🔗		
Demand: Demand		0		○ ▼		
Dmnd Chg Amt: Demand Charge Amount	Dm Rev: Demand Revenue	😑 Dm Rev: Demand Re	venue 🔻 😽	● ▼ 🔗		
DSM Charge: DSM Charge		0		○ ▼ 🔗		
Energy: Energy		0	▼]⁄	○ ▼ 🔗		
Ergy Chg Amt: Energy Charge Amount	Eg Rev: Energy Revenue	😑 Eg Rev: Energy Reve	nue 🔻 🔗	○ ▼ 🔗		
Fuel Charge: Fuel Charge	\$/kWh: Average Rate Per kWh	😑 \$/kWh: Average Rate	e Per kWh 🔻 🔗	○ ▼ 🔗		
kW Off Peak: kW Off Peak Price	\$/kWh: Average Rate Per kWh	😑 \$/kWh: Average Rate	e Per kWh 🔻 🔗	○ ▼		
		r				

Tree Column

Clicking the "T" under the Tree column for a given attribute opens a tree view dialog that lists all of the values for that attribute across all members of the entity group.

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Entities with values are listed, and all without values for that attribute are listed under 'Orphans". The Tree view is a convenient way to see all values by category or to find orphans.

Note – the values listed here reflect winner logic, if there are multiple attribute cases, If there are association change dates, it reflects the last date.

Create & Edit

The Create & Edit button at the bottom of the entity tree opens the Create & Populate dialog, which allows the user to create an entity, assign it to a security group, populate attribute data, time dependent data and interface codes as well as set the order of entities to appear in the entity group.

Select the entity group to create and edit entities for and click the Create & Edit button.

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Create & Populate a Legal Entity	
Create or Select Legal Entity to Edit	
CHE: Chicago Electric Name: Ch	icago Electric 💿 Time Data 💿 Attributes 💿 Order 💿 Interface
Assign Attribute Values for Entity - Chicago Electric	
Select Case: Base Attribute Case (Base)	
Name by Case: Chicago Electric	
Associations	
Show rollup periods: One Two Three Four 	
Delete Description	Value
Allow Data Edits for Define Edit Groups (Y/N)	Y: Yes 🔻 🔗
Legal Entity Pointer to Itself for Edit Allocations	CHE: Chicago Electric 🔹 🔗
Money Pool Financier	UIE: UI Energy 🗾 📝
sys-Business profile index for Range Formatting	▼ 🔗
sys-Pointer to Foreign Exchange Schedule	▼ 🔗
sys-Rollup Hierarchy-Legal	UIEC: UI Energy Consol 🔹 🔗
sys-Rollup Hierarchy-Segment	UIEC: UI Energy Consol 🔹 🔗
System Total	25849: System Total 🔹 🔗
Attributes	
Delete Description	Value
sys-Process as Unconsolidated	
sys-Type (Consol, Elim, Corp, Etc.)	Regular Sub
J	
Comments	
Memo Attribute: Entity Comment 💌	
	A
	•
F	
	<u>K</u>

The dialog opens to an existing entity within that entity group with all of its attribute and association data. To create a new Entity, click the Create button in the top left corner of the screen and provide a name for the new entity. If a security group has been set up for this entity group, select it in the dialog prompt.

The newly created entity appears in the dropdown. This screen has the same functionality as the right region of the screen when on a selected, or active, entity in the entity tree. For detail on assigning attribute values and populating this screen (Select Case, Show rollup periods, etc.) see the section Entity Level Actions.

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Arbough

Create & Populate a Legal Entity	
Create or Select Legal Entity to Edit	
Create Test Entity: Test Entity Name: Test	t Entity 💿 Time Data 💿 Attributes 💿 Order 💿 Interface
Assign Attribute Values for Entity - Test Entity	
Select Case: Budget Common Attributes (Overlay)	
Name by Case:	
Associations	
Show rollup periods: ③ One	
Delete Description	Value
Allow Data Edits for Define Edit Groups (Y/N)	▼ 🔗
Legal Entity Pointer to Itself for Edit Allocations	 ▼
Money Pool Financier	▼ 🔗
sys-Business profile index for Range Formatting	▼ 🔗
sys-Pointer to Foreign Exchange Schedule	▼ 🔗
sys-Rollup Hierarchy-Legal	▼ 🔗
sys-Rollup Hierarchy-Segment	▼ 🔗
System Total	▼ 🔗
Attributes	
Delete Description	Value
sys-Process as Unconsolidated	
sys-Type (Consol, Elim, Corp, Etc.)	
Comments	
Memo Attribute: Entity Comment 💌	
	<u>۸</u>
	QK

Entity Level Actions

Select Case

In Edit Attributes, the user can display (and edit) the underlying Attribute data by Case.

Note - the screen defaults to the Base Attribute Case. However, there is a User Preference to retain the selected Attribute Case for Edit Attributes. When this preference is set, the previously selected Edit Case will be automatically selected each time Edit Attributes is opened, for any Entity Group. Note that if the preference case is not in the current scenario (maybe the user changed scenarios), the preference is ignored, and Edit Attributes will revert to showing the Base Attribute case as the Edit Case.

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If the Scenario has more than one Attribute Case (as in a Budget scenario, which has a minimum of three cases (Base Attribute, Budget Common and Scenario Specific), selecting the Case from the dropdown will show the data in that case. See below.

Base Attribute Case

# Edit Attributes ×		
Limit Tree by Super Entity Group Budget Select Entity or Group Filter:	Assign Attribute Values for Entity - Human Resource Select Case: Base Attribute Case (Base) Name by Case: Human Resources Associations	ves
	Show rollup periods: One Two Two The Show rollup periods: One The One T	ree Four Value UI Services
Transmission & Distribution Transmission & Distribution Generation Generation Customer Care Customer Care	Delete Description Locked Admin Locked Spread Capital/O&M Automatically? Enter Labor by Employee?	Value Yes Yes

Budget Common Case

# Edit Attributes ×		
Limit Tree by Super Entity Group Budget Select Entity or Group	Assign Attribute Values for Entity - Human Resources Select Case: Working Forecast Attributes (Overlay) Name by Case:	
Filter:	Associations Show rollup periods: One Two Three Description Pointer to Planning Entity Company Attributes	Four Value
Transmission & Distribution Transmission & Distribution Generation Generation Generation Customer Care Customer Care Customer Care	Delete Description Locked Admin Locked Spread Capital/O&M Automatically? Enter Labor by Employee?	Value Yes

Note – the Case Selection is global across all Entities in the Edit Attributes screen. It is important to be aware of which case is selected, and to change back to the Base Attribute case if appropriate.

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New Entities

If the Planner Property has been selected to allow new entities to be stored in an Overlay Case, the Case Selection will govern the case in which core information (Name, Visibility, Order) are stored for new entities. Otherwise they will default to the Base Attribute Case.

Associations and Attributes

When a single entity is selected, or active, the attribute data can be filled out for the attribute definitions that were set up when on the entity group level. The associations (pointer to another entity) are listed first in the Associations section. The attribute definition appears in the Description column. To populate values for that entity, select the dropdown arrows under the Value column to choose the specific entities to point to.

The other attributes (any attribute definition that was not set up as pointer to another entity) appear in the next section, Attributes. Populate the Value column as needed, with dropdown options or with specific text or numeric values.

Below are examples of populating selected data types

Associations

If an attribute has been designated an Association, the dropdown list at the entity level will list the choices. Note that if a new entity is added to the source Entity Group, it will automatically appear in the list. Note the search icon to aid in finding entities in a long list.

Filter:	Associations	
Bond Issue Type	Show rollup periods: One Two Three	C Four
 CHI 4.00% FMB due January 15, 2045 CHI 5.75% Due Jan 5, 2040 (Planned) 	Delete Description	Value
 Corp 5.5% Senior Notes due Dec. 1, 2016 	Issue Type (e.g. FMB)	Subsidized Bond 🔹 🔗
Corp 6.5% Senior Notes due April 1, 2017	Planning Entity	Chicago Gas 🔹 🗸 🕅
Prairie Gen 5.60% FMB due Sept. 15, 2033		
 Prairie Gen 5.65% Due Jan. 1, 2025 SG 4.75% Note due Nov 1, 2020 SG 5.20% Debenture (unsecured) due Dec. 1, 2016 SG 6.25% Debenture (unsecured) due Nov. 1, 2035 SG 6.375% Note due Nov. 1, 2032 SWEG 4.5% FMB Due Feb. 1, 2039 SWEG 5% FMB due Feb 1, 2018 SWEG 5.5% Debenture (unsecured) due Nov. 1, 2015 	Planning Entity Attributes Delete D Fb Fb Cocoso Electric Chicago Gas	
SWEG 6.00% FMB due Sept. 1, 2015 SWEG 6.25% FMB due March 1, 2038 SWEG 6.35% Other LTD due Feb 1, 2022 SWEG 6.50% FMB due Jan 15, 2032 SWEG 6.50% FMB due Jan 15, 2032 Bonds - Strategic Model Construction Project Bepartment Electric Revenue Class Electric Revenue Schedule	Chicago Nonutility Chicago Nonutility Prairie Gen Suburban Gas SWEGCO Common SWEGCO Common SWEGCO Electric	■ E

Numeric Data

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For attributes configured as Input Parameter Values (dollars, dates, rates), these values should be entered directly into the screen. If the user enters non-numeric data, such as a text string, the data will not be saved.

🖶 Edit Attributes 🗙				
Limit Tree by Super Entity Group	Assign Att	ribute Values for Entity - CHI 5.5% FMB due N	ov 1, 20	35
🖽 Model 👻	Select Cas	se: Base Attribute Case (Base)		
Select Entity or Group	Name by (Case: CHI 5.5% FMB due Nov 1, 2035		
Filter:	Associat	ions		
Model H H Generation	Show ro	ollup periods: 💿 One 🔘 Two 🔘 Three	O Four	
AFUDC Rates	Descr	ription	Value	
Bond Issue Type Bonds - Detailed Model	Planni	ng Entity	Chicago	Electric
CHI 5.5% FMB due Nov 1, 2035		Type (e.g. FMB)	First Mo	ortaaae Bond
CHI 5.5% Senior Notes due May 15, 2017	1110		h	
 CHI 5.5 % Senior Notes due May 15, 2017 CHI 5.625% PCB due May 15, 2033 				
Electric Revenue Class	Attribute	S		
Electric Revenue Schedule	Delete	Description		Mahaa
E Fuel Clauses	Delete	Description		Value
🖶 🖶 Gas Revenue Class		Issue Date (yyyymm)		03/2015
🕀 🖶 Gas Revenue Schedule		Retire Date (yyyymm)		11/2035
🕀 🖶 Model Project		Interest Rate (Fixed) (4.5% = 4.5)		5.5
New Entity Group		Fixed vs Variable Switch (fixed =0)		
🖶 🖶 Planning Entity		Interest Payment Month (1-12)		5
🕀 🖶 Segment		Issue Day (1-30)		1
🕀 🖶 Tax Depreciation Rate Schedule		Issue Discount (1% = 1)		1000
		New Bond Attribute		

Dates

For Attributes configured as Dates (YYYYMM), when the user clicks on the date field for the entity it will bring up a date dia-

log. Select the desired date and hit OK.

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🖶 Edit Attribute	es ×														
Limit Tree by	Super Ent	ity Group				Assign A	ttribute V	alues for I	Entity - Cł	HI 5.5% F	MB due No	ov 1, 2035	i		
🖽 Model	▼				Select C	ase: B	ase Attrib	ute Case ((Base)						
Select Entity o	r Group					Name by	/ Case: C	HI 5.5% F	MB due N	ov 1, 203	5				
Filter:					7	Associa	ations								
Model	Pato Scho	dulo				Show	rollup per	iods: 🧿	One 🔘	Two 🔘) Three	🔘 Four			
AFUDC	Rates	uule				Des	cription					Value			
Bond Is		Model				m Plan	ning Entity	/				Chicado E	Electric		
	5.5% FMB		1, 2035				e Type (e.					First Mort	taaae Bon	d	
	5.5% Sen														
Electric	5.625% P Revenue		ay 15, 203	33		Attribu	tes								
Electric		Schedule				Delete	Descri	ption				Value			
Gas Rev		s					🗌 Issue D	ate (yyyy	mm)		(
🕀 🖶 Gas Rev		edule						Date (yyyy t Rate (Fi:				5.5	11	/203	5
🕀 🖶 Model P								s Variable		fixed =0)		5.5			
🖶 🖶 Plannin	Sele	ect Issue	Date (yy	yymm)									X		
🕀 🖶 Segme		d Month:	3/2015					Forward		🔓 Time B	lack	×	Clear		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	-	
	2014	1/2014	2/2014	3/2014	4/2014	5/2014	6/2014	7/2014	8/2014	9/2014			12/2014		
	2014	1/2014	2/2014	3/2014	4/2014	5/2014	6/2014	7/2014	8/2015	9/2014		11/2014			
		1/2016	2/2016	3, 916	4/2016	5/2016	6/2016	7/2016	8/2016	9/2016		11/2016		Ξ	
		1/2017	2/2017	3/2017	4/2017	5/2017	6/2017	7/2017	8/2017	9/2017		11/2017			
		1/2018	2/2018	3/2018	4/2018	5/2018	6/2018	7/2018	8/2018	9/2018		11/2018			
	2019 2020	1/2019 1/2020	2/2019 2/2020	3/2019 3/2020	4/2019	5/2019 5/2020	6/2019 6/2020	7/2019	8/2019 8/2020	9/2019 9/2020		11/2019 11/2020			-
	2020	1/2020	2/2020	3/2020	4/2021	5/2020	6/2021	7/2020	8/2021	9/2020		11/2020			
		1/2022	2/2022	3/2022	4/2022	5/2022	6/2022	7/2022	8/2022	9/2022	10/2022	11/2022	12/2022		
	2023	1/2023	2/2023		4/2023	5/2023	6/2023	7/2023	8/2023	9/2023		11/2023			
		1/2024	2/2024	3/2024	4/2024	5/2024	6/2024	7/2024	8/2024	9/2024		11/2024		-	
Cri	2025	1/2025	2/2025	3/2025	4/2025	5/2025	6/2025	7/2025	8/2025	9/2025	10/2025	11/2025 OK	Cancel		

To delete a date, select the date field and select Clear.

Delete Data

To delete an Attribute Value, either edit the value manually, or use the trash can icon on the left of the screen.

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imit Tree by Super Entity Group	Assign Attribute Values for Entity - CHI 5.5%	FMB due Nov 1, 2035	
🥭 Model	 Select Case: Base Attribute Case (Base) 		
elect Entity or Group	Name by Case: CHI 5.5% FMB due Nov 1, 2	035	
Model	Show rollup periods: One Two	Three O Four	
	Description	Value	
Bonds - Detailed Model	Planning Entity	Chicago Electric	
CHI 5.5% FMB due Nov 1, 2035 CHI 5.5% Senior Notes due May 15, 2017	Issue Type (e.g. FMB)	First Mortaaae Bond	
CHI 5.625% PCB due May 15, 2033	Attributes		
Electric Revenue Class			
	Delete Description	Value	
Gas Revenue Class	Issue Date (yyyymm)	11/2009	A
1 m w. J. I p	Setire Date (yyyymm) Interest Rate (Fixed)	5.5	
Edit Attributes ×		5.5	
Edit Attributes ×	Interest Rate (Fixed)	5.5	
Edit Attributes × Limit Tree by Super Entity Group	Assign Attribute Values for Entity - CHI 5.5%	6 FMB due Nov 1, 2035	
Edit Attributes × Limit Tree by Super Entity Group Model Select Entity or Group	Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2	6 FMB due Nov 1, 2035	
Hedit Attributes × Limit Tree by Super Entity Group Model Select Entity or Group Filter: Model AFUDC Rate Schedule	Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2	6 FMB due Nov 1, 2035	
	Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2 Associations	6 FMB due Nov 1, 2035	
	Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2 Associations Show rollup periods: One Two	5.5 6 FMB due Nov 1, 2035 035 Three O Four	
Edit Attributes × Edit Attributes × imit Tree by Super Entity Group Model elect Entity or Group ilter: Model AFUDC Rate Schedule AFUDC Rates Bonds - Detailed Model CHI 5.5% EMB due Nov 1, 2035 CHI 5.5% Senior Notes due May 15, 2017	Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2 Associations Show rollup periods: One Two Description	5.5 6 FMB due Nov 1, 2035 035 Three Four Value	
	 Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2 Associations Show rollup periods: One Two , Description Planning Entity 	5.5 FMB due Nov 1, 2035 Three Four Value Chicago Electric	
	 Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2 Associations Show rollup periods: One Two Description Planning Entity Issue Type (e.g. FMB) 	5.5 FMB due Nov 1, 2035 Three Four Value Chicago Electric	
Select Entity or Group Filter: Model AFUDC Rate Schedule AFUDC Rates Bond Issue Type Bonds - Detailed Model CHI 5.5% FMB due Nov 1, 2035 CHI 5.5% Senior Notes due May 15, 2017	Assign Attribute Values for Entity - CHI 5.5% Select Case: Base Attribute Case (Base) Name by Case: CHI 5.5% FMB due Nov 1, 2 Associations Show rollup periods: One Two Description Planning Entity Issue Type (e.g. FMB) Attributes	5.5 6 FMB due Nov 1, 2035 035 Three Four Value Chicaao Electric First Mortaaae Bond	

Show Rollup Periods

When an individual entity is selected, the current values for that entity's associations and attributes are displayed when on

the One radio button next to Show rollup periods. This is the default view.

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Edit Attributes ×						
Limit Tree by Super Entity Group	Assign Attribute Values for Entity - Chicago Electric					
🖽 Model 👻	Select Case: Base Attribute Case (Base)					
Select Entity or Group	Name by Case: Chicago Electric					
Filter:	Associations					
Model AFUDC Rate Schedule	Show rollup periods: One Two Thr	ee 🔘 Four				
AFUDC Rates	Delete Description	Value				
🕀 🖶 Bond Issue Type 🗄 🖶 Bonds - Detailed Model	AFUDC Schedule	: CHI AFUDC Rates				
Electric Revenue Class	Auto-Finance Group					
🕀 🖶 Electric Revenue Schedule	Corporate Parent	UI Enerav Parent: UI Enerav Parent				
🕀 🖶 Fuel Clauses	Dividend Parent	Tri-State Parent: Tri-State Parent				
🖶 🖶 Gas Revenue Class	LLPE Pointer to Itself	Chicado Electric: Chicado Electric				
🖶 🖶 Gas Revenue Schedule	Money Pool Financier					
H Model Project	Rollup - Business Hierarchy	Tri-State Consol: Tri-State Consol				
Planning Entity	Segment	: Electric Seament				
UI Energy Consolidated: UI Energy Consolidated	Service Company	UI Services: UI Services				
 UI Energy Elim: UI Energy Elim 	sys-Rollup Hierarchy-Legal	Tri-State Consol: Tri-State Consol				
 UI Energy Parent: UI Energy Parent 	System Contol	: Svstem Total				
 Chicago Electric: Chicago Electric 						
Chicago Steam: Chicago Gas						
Chicago Nonutility Chicago Nonutility						

Associations can be changed over time. Upon selecting a rollup period other than One, the display will appear with an option to choose a new date for the association value to be changed (Change Date 1 column) and the new Association value to be used starting on that date (Change Value 1). The user has the option to select up to four different association values and corresponding change dates. To select a date, click the field in the Change Date 1 column. The Select Change Date dialog will appear to select the needed month and year. To select the new association, use the dropdown in the Change Value 1 column.

Edit Attributes ×							
Limit Tree by Super Entity Group	Assign Attribute Values for Entity - Chicago Electric						
🖽 Model 👻	Select Case: Base Attribute Case (Base)						
Select Entity or Group	Name by Case: Chicago Electric						
Filter:	Associations						
Model AFUDC Rate Schedule AFUDC Rates	Show rollup periods: One One Two	o 🔘 Three 🔘 Four					
Bond Issue Type	elete Description	Value	Change Dat	Change Value 1			
Bonds - Detailed Model	AFUDC Schedule	🛛 : CHI AFUDC Rates 📃 🛃	7	· 🗸			
Electric Revenue Class	Auto-Finance Group		/				
Electric Revenue Schedule	Corporate Parent	UI Enerav Parent: UI Enerav Parent 🛛 🔻 🧭	/	▼. 			
	Dividend Parent	Tri-State Parent: Tri-State Parent 🔷 🗸	/	🗸 🗸 🗸			
Gas Revenue Class	LLPE Pointer to Itself	Chicago Electric: Chicago Electric 🔷 🗸	Contraction	▼.			
Gas Revenue Schedule	Money Pool Financier			🗸 🗸 🗸			
H Model Project	Rollup - Business Hierarchy	Tri-State Consol: Tri-State Consol 🛛 🔻 🧭	01/2017	UI Enerav Parent: UI Enerav Parent 🛛 🔻 🔗			
Planning Entity	Segment	🔁 Electric Seament 🛛 🗸 🗸	[[[[▼ 🧖			
UI Energy Consolidated: UI Energy Consolidated	Service Company	UI Services: UI Services 🔹 🔻 🥖	[[[[
UI Energy Elim: UI Energy Elim	sys-Rollup Hierarchy-Legal	Tri-State Consol: Tri-State Consol 🛛 🔻 🧭	2				
UI Energy Parent: UI Energy Parent	System Contol	🛛 : Svstem Total 🔷 🔻 🧭	2	▼ 🧖			
Chicago Steam: Chicago Gas	•			•			
Chicago Nonutility: Chicago Nonutility							
SWEGCO Electric: SWEGCO Electric	Attributes						
Prairie Gen: Prairie Gen							
🕀 🖶 Segment	Delete Description	Value					
🗄 🌐 Tax Depreciation Rate Schedule	sys-Type (Consol, Elim, Corp,	Etc.) Regular Sub					

A common use of this feature is to commonly used to forecast future organizational changes (with Planning Entity).

Comments

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Beneath the Associations and Attribute sections, there is a Comments section, where the user can add Comments for the selected entity. The initial default comment is a text field where the user can add text descriptions.

ſ	
Attributes	
Delete Description	Value
sys-Process as Unconsolidated	
sys-Type (Consol, Elim, Corp, Etc.)	Top-Level Eliminations Entity - Legal Entity View
Comments	
Memo Attribute: Entity Comment 🔻	
Chicago Electric Entity	

The user can add additional memo attributes to Entity Groups. These will appear in the dropdown. These are commonly used for Regulatory implementations, to support additional text fields in Headers and Footers.

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# Edit Attributes ×		
Limit Tree by Super Entity Group Regulatory Filter: Regulatory Jurisdiction	Assign Attribute Values for Entity - Chicago Electric - FE Select Case: Base Attribute Case (Base) Name by Case: Chicago Electric - FERC Associations Show rollup periods: One Two Three	
 Chicago Electric - FERC Chicago Electric - Retail - Illinois Chicago Electric - Retail - Michigan PG - Electric FERC SG - Gas Retail - Illinois SWEG - Elec FERC SWEG - Elec Retail - Wisconsin SWEG - Gas Retail - Wisconsin CHI Gas Unallocated Utility 	Description Legal Entity Utility Planning Entity Attributes Delete Description Comments Memo Attribute: Docket # ILL PUC #2453 Entity Comment Docket # Filing Date Witness	Value Chicado Electric Company CHI Electric Chicado Electric Value Value

Copy Attributes

Users can copy attribute and association values from one entity to one or more entities in the same entity group. Select the entity on the entity tree and click the Copy Attributes button. In the Copy Attributes dialog, use the dropdown or the Select Item to Copy button to choose the entity.

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						i i sougi
Copy A	Attributes					X
Select Entit	ty to Copy					
Entity to Co	opy: 🕒 CHE: Chicago Electr	ic				 Select Item to Copy
Values to C	Сору			Targets		
Select A	All Unselect All			Select All	Unselect All Case: G Base Attribute Case	•
Сору	Q2	Q3	Value	Accept Copy	Legal Entity	
v	Association-Initial Parent	sys-Rollup Hierarchy-Legal	UIEC: UI Energy Consol		0-DVA-Null: 0-DVA-Null	
1	Association-Initial Parent	sys-Rollup Hierarchy-Segm	UIEC: UI Energy Consol		0: 0Empty	
1	All: Attribute Value	sys-Type (Consol, Elim, Co	Regular Sub		23773: UI Energy Segment Elim	
√	Association-Initial Parent		25849: System Total		Any: Any	
v	Association-Initial Parent	Legal Entity Pointer to Itself	CHE: Chicago Electric		Asset What-If: Asset What-If	
v	Association-Initial Parent	Money Pool Financier	UIE: UI Energy		PGE: Praire Gas & Electric	
v	Association-Initial Parent	Allow Data Edits for Define	Y: Yes	✓	Test Entity: Test Entity	
					UIE: UI Energy	
					UIEC: UI Energy Consol	
					UIEE: UI Energy Elim	
					UIS: UI Service Co	
						Do Copy Close

Beneath the Values to Copy section, use the Q3 (attribute definition) Value columns (attribute value) to select the attribute data to copy. The Q2 column indicates the type of attribute. The Targets section contains a list of entities within that same entity group (note: the entity must have already been created to use this feature). Select one or more entities that will receive the copied data from the previously selected Values to Copy section. Press the Do Copy button and save when prompted. On the main screen, the entity will have the copied attribute data populated.

This feature is used when entities need to be populated with attribute values, and they share most of the attribute values from an existing entity. After the copy is complete, only the values that need to be changed for the new entities need to be edited.

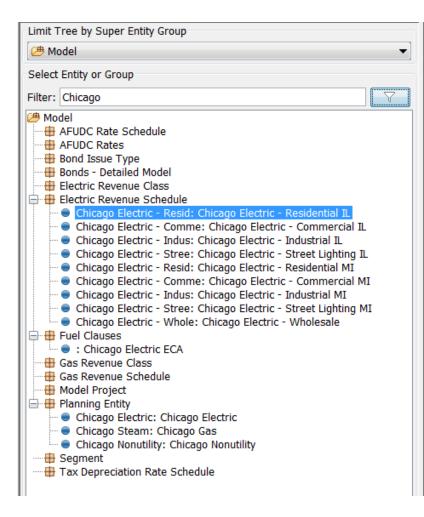
Entity Tree - Right-click Options

There are a number of right-click options when on an Entity Group or Entity Node in the tree.

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.imit Tree by Super Entit ⁽⁾ Rate Design	y Group	•
Select Entity or Group		
ïlter:		
Rate Design		
		<u> </u>
🗉 🔵 All kwh F 🔗	Search Tree	
- 🗧 All kWh Q 🔣	Export Tree Structure to Excel	
• Avg \$/kW	Export to Excel, starting at this node's parent	
Avg CChg	Collapse Tree	
 Cust. Ct.: Customer 	Collapse Tree Below this Node	
Customer	Expand Tree 🔓	
 Customer Demand: 	Expand Tree Below this Node	
- Dmnd Che	Nodes below this: 39	
 DSM Char Energy: E 	Create	
Ergy Chg	Copy Attributes	
🗧 Fuel Char 😑 kW Off Pe 🖼	Association for Posting	
🗉 🔵 🖶 🐨 🖷	Share Attribute Definition	
Wh Block	Object Info	=
e kWh Block	Data Finder	-
🔍 🔵 kWh Block 🎇	Wildcard/Null Entity	
kWh Block kWh Block	Publish Default Entity	
kWh Block	-	
🔍 😑 kWh Block	Assign Time Data Location	
kWh Block	Wh Evel Oby	

Search Tree: Search for the text of any entity group or entity in the tree to locate it.



Export Tree Structure to Excel: Exports the entire tree structure (Entity Groups and individual Entities) to Excel.

AFUDC Rate Schedule								
: CHI AFUDC Rates								
: Non-Reg Cap Intere	: Non-Reg Cap Interest Rates							
: Suburban Gas AFUD	C Rates							
: SWEG AFUDC Rates								
: UIS AFUDC Rates								
AFUDC Rates								
AFCD: AFUDC Debt								
AFCE: AFUDC Equity								
Bond Issue Type								
: First Mortgage Bond	l i							
: Intercompany Debt								
: Pollution Control Bo	ond							
: Senior Notes								
Bonds - Detailed Model								
: CHI 5.5% FMB due M	lov 1, 2035							
: CHI 5.5% Senior No	es due May 1	5, 2017						
: CHI 5.625% PCB due	May 15, 2033	3						
30621651: Prairie Ge	n 5.65% FMB I	Due Jan. 1, 2025						
: Prairie Gen 5.60% F	MB due Sept. 1	15, 2033						
: SG 4.75% Note due	Nov 1, 2020							

Export to Excel, starting at this node's parent: Exports the tree structure (Entity Groups and Entities), including everything within the selected node and the nodes parent. If selected on an Entity Group, the Super Entity Group and entities for that Entity Group as well as all other entities will be exported. If selected on an individual Entity, the Entity Group and only the other Entities within that Entity Group will be exported.

Selected on Entity Group (selected AFUDC Rates Entity Group)

Model		
	AFUDC Rate Schedule	
		CHI AFUDC Rates
		Non-Reg Cap Interest Rates
		Suburban Gas AFUDC Rates
		SWEG AFUDC Rates
		UIS AFUDC Rates
	AFUDC Rates	
		AFUDC Debt
		AFUDC Equity
	Bond Issue Type	
		First Mortgage Bond
		Intercompany Debt
		Pollution Control Bond
		Senior Notes
	Bonds - Detailed Model	
		CHI 5.5% FMB due Nov 1, 2035
		CHI 5.5% Senior Notes due May 15, 2017
		CHI 5.625% PCB due May 15, 2033
		Prairie Gen 5.65% FMB Due Jan. 1, 2025
		Prairie Gen 5.60% FMB due Sept. 15, 2033
		SG 4.75% Note due Nov 1, 2020

Selected on Entity (selected CHI 5.5% FMB due Nov 1, 2035)

Bonds - Detailed Model	
	CHI 5.5% FMB due Nov 1, 2035
	CHI 5.5% Senior Notes due May 15, 2017
	CHI 5.625% PCB due May 15, 2033
	Prairie Gen 5.65% FMB Due Jan. 1, 2025
	Prairie Gen 5.60% FMB due Sept. 15, 2033
	SG 4.75% Note due Nov 1, 2020

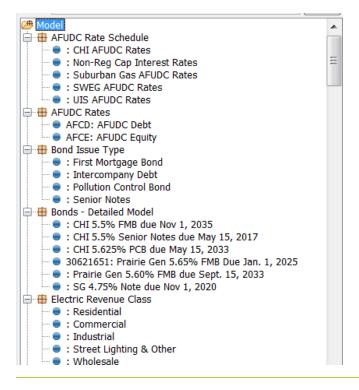
Collapse Tree: Collapses entire tree structure, showing super entity groups and entity groups only.

Limit Tree by Super Entity Group						
😕 Model 🔹						
Select Entity or Group						
Filter:						
Model AFUDC Rate Schedule Bond Issue Type Bonds - Detailed Model Electric Revenue Class Electric Revenue Schedule Gas Revenue Class Gas Revenue Schedule Model Project Planning Entity Segment Tax Depreciation Rate Schedule						

Collapse Tree Below this Node: Only relevant at the Super Entity Group level. Collapses the entire tree below the Super

Entity Group node.

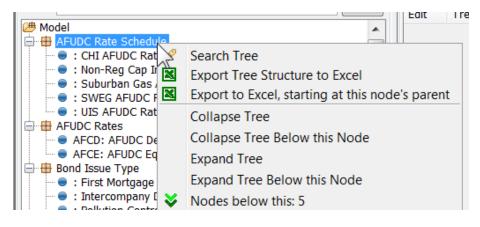
Expand Tree: Expands the entire tree structure, showing all super entity groups, entity groups and entities.



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Expand Tree Below this Node: Only relevant at the Super Entity Group level. Expands the entire tree below the Super Entity Group node.

Nodes below this: Shows the number of nodes below the selected node.



Create: Same functionality as the Create button below

Copy Attributes: Same functionality as the Copy Attributes button below

Association for Posting: Only available at the Entity Group level, and only relevant for Entity Groups used by Model reports. This option opens the Association for Posting Dialog for that Entity Group. This dialog is used by the Model to define how that Entity Group is related to Planning Entity for posting purposes (since postings ultimately must be by Planning Entity).

Select A	Association For Posting
Select Entity	Group: Bonds - Detailed Model
For Posting	Association Definition
	Issue Type (e.g. FMB)
•	Planning Entity
	Close

Share Attribute Definition: Copies attribute definitions from one entity group to another.

Share Att	tribute Definitions	x						
Select Entity	Group whose Definitions to copy							
Copy from Er	ntity Group: Bill Component	•						
Copy to Entity	y Group (Attribute Definitions are added to existin	ig A						
Share	Entity Group							
	REG-Jurisdictional Allocator							
	🖶 REG-Scenario Settings							
	H Resource							
	Hesource Type							
	Revenue Class							
	Hevenue Component							
	Row Type							
	Bource Indicator							
✓	Bources & Uses							
	Special Report Column	=						
	Special Report Column RollUp							
	Bub-Resource	_						
	sys-B2 Variance Drivers	_						
	sys-B2ii CREV Rate Compare Reports	_						
	sys-B2ii Reporting Views	_						
	sys-B2ii Reports	_						
	sys-Budget Descriptor sys-Budget Driver							
		_						
	sys-Business Segments sys-Day Reclass Data Object							
		<u>о</u> к						

Object Info: Shows the name of the entity group by case (which can be changed in the Core Object Editor), the order in which the entity appears by case, and the visibility by case.

🛓 Bill Component-32300			X
Case	Name	Order	Visible
Winner	Bill Component	1.0	true
Base Attribute Case	Bill Component	1.0	true
Budget Common Attributes		0.0	false
Analysis Overlay Attribute Case		0.0	false

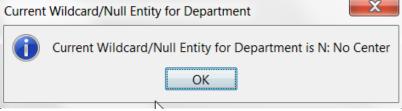
Data Finder: Launches the Data Finder screen. Note that this is not the Rapid Data Finder. It is an alternate data finder that is more SQL-based. For the Rapid Data Finder, select it from the menu items or use <ctrl> F12.

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earch Definition: << No	t Stored >>												▼ Sa	ve Current Defi	initio
efine Search Criteria															_
(ey Containing - Bonds -	Detailed Medel					1 1	Deferen	ee Malue a	auglite IDen	ds - Detailed	Medel				
ley containing - bonus -	Detailed Model						Referen	ce value e	equal to Boli	us - Detaileu	Model				
				°		Or					B				
Edit	Source	Add 🗳 🕒		[•] Create	X Remove			Edit	🔌 So	ource	ola 🔓		🕆 Create	X Remov	ve
ttribute Data															
															_
UALIFIER_1	QUALIFIER_2			QUALIFIER_3				. CASE_II)	VERSION	REFE	LITERAL	LAST_USED_	DATE USER_	_C
onds - Detailed Model		Link attribute defi			gage Style repayment					1		1		DPREG	
onds - Detailed Model		Link attribute defi		Switch - Mort	gage Style repayment				ibute Case	1		1		RLANCA	AS
nds - Detailed Model		Link attribute defin		Sink Day						1		1		DPREG	
nds - Detailed Model	Entity Group:	Link attribute defi	nitions	Sink Day				Base Attr	ibute Case	1		1		RLANCA	AS
nds - Detailed Model	Entity Group:	Link attribute defin	nitions	Reacquisition	Day					1		1		DPREG	
nds - Detailed Model	Entity Group:	Link attribute defin	nitions	Reacquisition	Day			Base Attr	ibute Case	1		1		RLANCA	AS
nds - Detailed Model	Entity Group:	Link attribute defin	nitions	Fixed vs Varia	able Switch (fixed =0)					1		1		DPREG	
nds - Detailed Model	Entity Group:	Link attribute defin	nitions	Fixed vs Varia	ble Switch (fixed =0)			Base Attr	ibute Case	1		1		RLANCA	AS
onds - Detailed Model		Link attribute defin		Issue Date (y						1		1		DPREG	
onds - Detailed Model		Link attribute defi		Issue Date (y					ibute Case	1		1		RLANCA	AS
onds - Detailed Model		Link attribute defi		Retire Date ()						1		1		DPREG	
onds - Detailed Model		Link attribute defi		Retire Date ()					ibute Case	1		1		RLANCA	AS
onds - Detailed Model		Link attribute defi		New Issue Cr						1		1		DPREG	
onde - Netailed Model		Link attribute defi		Now Teeno Cr				Raco Attr	ihuto Caco	1		1		RIANCA	
1						11									•
															_
ime Dependent Data															
															_
UALIFIE QUALIFIE	QUALIFIE (QUALIFIE QUAL	IFIE Q	UALIFIE QL	JALIFIE QUALIFIE	QUA	LIFIE	QUALIFIE	QUALIFI	E QUALIF	E QUAL	IFIE QUAL	IFIE QUALIF	IE QUALIFIE	· (
						•			-					•	
	111		_												

Wildcard/Null Entity: This indicates the default entity to be used for imports when a row has an invalid or missing value. When a default Entity is defined and an invalid value is encountered, this default will be used in its place. This will prevent a multidimensional publish from failing.

Current Wildcard/Null Entity for Department



To set the Wildcard/Null Default Entity, select an entity, and right click. It will then be set as the default entity. Note that the ability to set this attribute is an Administrative security option.

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Publish Default Entity: This indicates the default entity to be used when publishing a Dataset when a row has an invalid or missing value. When a default Entity is defined and an invalid value is encountered, this default will be used in its place. This will prevent a multidimensional publish from failing.

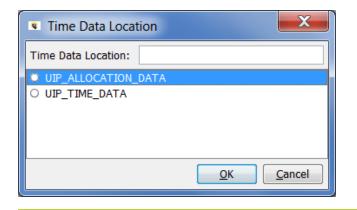
Current	Publish Default Entity for Department
1	Current Publish Default Entity for Department is NONE - No Center
	ОК

To set the publish Default Entity, select an entity, and right click. It will then be set as the Publish default entity. Note that the ability to set this attribute is an Administrative security option.

Assign Default Tree: This is used to set the default tree to be used for the selected Entity Group. To set the Default Tree, select the Entity Group, and right click. This will bring up a list of Trees for that Entity Group. Select the desired Tree, and it will then be set as the Default Tree.

Assign Default Tree for Department	×
Select Case: Working Forecast Attributes Current Default: Default Department Tree	
Assign Default Tree for Department:	
○ ■ 2015 Reorg Tree ■ Default Department Tree	
	OK Cancel

Assign Time Data Location: This option allows the user to specify which UIP table will contain data related to that Entity Group. To set the time data location, select the Entity Group, and right click. Select the desired UIP Table to set it as the data location.



Add Object

The Add Object dialog box is used throughout UIPlanner to create objects. The dialog is opened from numerous screens, typically via an Add or Create button.

Add	Entity - Objects created will have initial visibility in case: Base Attribute Case	X		
Select pa	rent: 🖶 Bonds - Detailed Model 🔹			
Optional S	Security Group (Owner):			
	Add Objects Listed Below Save to disc (saves all attribute changes)			
Enter or Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Right column shows characters remaining.				
	ond #1 - 5% FMB Due Jan 1, 2045 ond #2 - 4% FMB Due Nov 1, 2040	43 43		
Click on a row. New objects are added below the selected row. Order Name				
1.0	CHI 5.5% FMB due Nov 1, 2035			
2.0	CHI 5.5% Senior Notes due May 15, 2017			
3.0	CHI 5.625% PCB due May 15, 2033			
20.0	Prairie Gen 5.65% FMB Due Jan. 1, 2025			
21.0	Prairie Gen 5.60% FMB due Sept. 15, 2033			
22.0	SG 4.75% Note due Nov 1, 2020			

Screen Layout

The top section of the screen contains drop-down lists that vary depending on the type of objects being added. In most cases, the first selection is Parent and the second selection is Optional Security Group (Owner), as shown above for the Add Entity dialog. These selections differ when adding reports and cases (see below under Additional Notes for more information). The top section also indicates the case where the new object's Visibility (and Parent, Name and Order) will be saved.

The middle section of the screen contains the area to enter the new object to be added. Multiple objects can also be added at one time by pasting (ctrl-V) in a list from the clipboard (e.g., copied from MS-Word or Excel).

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The bottom section of the screen lists all existing objects of that type as well as their order. By selecting an object in the list prior to adding the new object(s), the user can select where in the list the object(s) will appear.

Add Object

Note – the top of the dialog indicates the case in which the new data is to be saved. Typically this will be the Base Attribute Case. However, if the new data is to be saved to an Overlay attribute case (e.g., the Budget Common case, click Cancel and change the case selector on Edit Attributes)

Once the Add Object dialog opens, below are the steps to take:

Select Parent: This drop-down box is typically pre-populated

- a. For many Object Types (Scenario, Account, Attribute, Switchboard), no Parent is required.
- b. For Entities, it is prepopulated with the Entity Group that was selected from Edit Attributes. No change is needed
- c. For Reports, it defaults to Planning Entity. If the user selects For Validations, it is replaced with selectors for Dataset and Dimension. See below under Reports for further information.
- d. For Cases, it is prepopulated with Overlay. See below under Cases for more information.

Enter or Paste Name(s): Enter the object names in the space provided. Each object should be entered on a separate line. Items can be typed in or pasted in (ctrl-V) in a list from the clipboard (e.g., copied from MS-Word or Excel). Object Names must be 80 characters or fewer. The column to the right shows the remaining number of characters available.

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Add I	Entity - Objects created will have initial visibility in case: Base Attribute Case	X		
Select pa	rent: 🖶 Bonds - Detailed Model 🔹			
Optional S	Security Group (Owner):			
	Add Objects Listed Below Save to disc (saves all attribute changes)			
Enter or Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Right column shows characters remaining.				
	ond #1 - 5% FMB Due Jan 1, 2045 ond #2 - 4% FMB Due Nov 1, 2040	43 43		
Click on a row. New objects are added below the selected row.				
1.0	CHI 5.5% FMB due Nov 1, 2035			
2.0	CHI 5.5% Senior Notes due May 15, 2017			
3.0	CHI 5.625% PCB due May 15, 2033			
20.0	Prairie Gen 5.65% FMB Due Jan. 1, 2025			
21.0	Prairie Gen 5.60% FMB due Sept. 15, 2033			
22.0	SG 4.75% Note due Nov 1, 2020			

In order to add Default Code, enter the name, then the | (pipe) character, then the Default Code.

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 Add 	d Entity - Objects created will have initial visibility in case: Base Attribute Case	X			
Select pa	parent: 🕀 Department 🔹				
Optional :	al Security Group (Owner):	•			
	Add Objects Listed Below Save to disc (saves all attribute changes))			
Enter or Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Right column shows characters remaining.					
	Compliance 255 ncial - Special Projects 342	66 52			
Click on a row. New objects are added below the selected row.					
0.0	Account Payable				
0.0	Antioch				
0.0	Applications Support				
0.0	Arturo				
0.0	Asset Management				
0.0	Benefits Administration				
0.0	Big Oak Nuclear				
0.0	Budgeting				
0.0	Call Center				

Select line to insert below: To insert objects at a particular location in the list for ordering purposes, highlight an object in the list. All objects added will be inserted immediately below the highlighted line. If no object is selected below, the new object(s) will be added to the end of the list.

Optional Security Group (Owner): To assign an owner group to the new object, select it the owner group from the dropdown list. Note – this is an optional step

	Add Entity - Objects created will have initial visibility in case: Base Attribute Case				
1	Select parent: 🖶 Bonds - Detailed Model		•]		
	Optional Security Group (Owner):		-		
1	Add Objects Listed Below	L1 Project Approver L2 Project Approver	n a		
	Enter or Paste Name(s) To Add. Use the character after name for	L3 Project Approver L4 Project Approver	g		
	New Bond - 5% FMB Due Jan 1, 2045	Model Administrators			
1		Regulatory Administrators Regulatory Dept System-Wide Administrators	4		
		System tride / animod dors			

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Add Objects Listed Below: Click this button to add all objects entered. Note – it will add the objects, but they will not yet be saved to the database. The added records will still be available in View Pending Attribute Saves.

Case	Q1	Q2	New Value	DB Value	Last Updated On	Last Updated	Un-do/Re-do
New/Updated Item		Entity	New Bond - 4% FMB Due Nov 1, 2040		2016.01.24-11:07	UIDEMO	
New/Updated Item		Entity	New Bond - 5% FMB Due Jan 1, 2045		2016.01.24-11:07	UIDEMO	
Base Attribute Case	New Bond - 4% FMB Due Nov 1, 2040	All: Visible	1		0	UIDEMO	
Base Attribute Case	New Bond - 4% FMB Due Nov 1, 2040	All: Order	24.0		0	UIDEMO	
Base Attribute Case	New Bond - 4% FMB Due Nov 1, 2040	All: Parent	Bonds - Detailed Model		0	UIDEMO	
Base Attribute Case	New Bond - 4% FMB Due Nov 1, 2040	All: Name	New Bond - 4% FMB Due Nov 1, 2040		0	UIDEMO	
Base Attribute Case	New Bond - 5% FMB Due Jan 1, 2045	All: Visible	1		0	UIDEMO	
Base Attribute Case	New Bond - 5% FMB Due Jan 1, 2045	All: Order	23.0		0	UIDEMO	
Base Attribute Case	New Bond - 5% FMB Due Jan 1, 2045	All: Parent	Bonds - Detailed Model		0	UIDEMO	
Base Attribute Case	New Bond - 5% FMB Due Jan 1, 2045	All: Name	New Bond - 5% FMB Due Jan 1, 2045		0	UIDEMO	
Shour Nama	Object Id 📄 Object Type					Save Close	Un-do Al

Save to disc: Check this box to save all objects to the database when the Add Objects button is selected. If this box is not checked, the user can later manually save to the database (using File|Save or <ctrl>S).

Note – the reason for the separate 'Save to Disk' button is to allow the user the ability to see the newly added objects, but still have the ability to back out the changes using View Pending Attribute saves.

Cancel: Click the X at the top right to close the dialog without saving data.

Additional Notes

Add Report

Note – Multidimensional instruction sets are typically added from the Administer Multidimensional Calculations screen, which does not call the Add Object dialog.

Model style Reports

When the Add Report dialog box opens, the default Entity Group is Planning Entity. Select the Primary Entity Group over which the report will be run. Note: this can later be changed in the Group Reports screen. Also, if the report created is to be a two-dimensional report, the second entity group must be added on Group Reports.

Add initial line for Entity Description: When this item is checked, the first line of the new report will contain a line usage format of "Placeholder for Entity Description."

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A	r	b	0	u	g

 Add Report - Objects created will have initial visibility in case: Base Attribute Case 	K j
Select Entity Group: 🖶 Planning Entity 🔽 🔽 Add initial line for Entity Description	
Optional Security Gro Plant Account Plant Types Plant Units Enter or Paste Nam Summary I/S Project Approval Status Project Approval Status Rollup Project Approval Status Rollup Project Approval Status Rollup	
Click on a row. New objects are added below the selected row.	
Order Name	
0.0 A&G Allocation	
0.0 Department EV	
0.0 Employee EV	_
0.0 Labor - Targets	_
0.0 Loading Rates - EV ds	-
0.0 Revenue Classes EV	-
0.0 Revenue Schedule EV 0.0 Vehicles EV	-

Validation Reports (Multidimensional)

Create for Validation: When this box is checked, the report will be identified as a Validation type report and two additional drop-down lists will be added to the top of the screen.

Select the Dataset and Dimension for the Validation

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 Add 	Report - Ol	bjects created will have initial visibility in case: B	ase Attribute	e Case		X
Select Da	ta Set:	E Labor - Import by Employee	•	Add initial line for	Entity Description	Create for Validations
Select Dir	mension:	Department	•			
Optional 9	Security Grou	up (Owner):		-]	
		Add Objects Listed Below	🔽 Save to d	lisc (saves all attribute	changes)	
Enter or	Paste Name	e(s) To Add. Use the character after name for defau	It code: 'New	name 0052'. Right colu	imn shows character	s remaining.
	ion - Labor	bjects are added below the selected row.				62
Order	Name	-,				
0.0	A&G Allocat	tion				
0.0	Department	t EV				
0.0	Employee E					
0.0	Labor - Tar					
0.0	Loading Rat	tes - EV ds				
1.11	Rovonuo Ch	BCCOC EV				

As validation reports are specific to multidimensional scenarios, this check box should not be selected when in the Financial Model.)

Add Case

When creating a Case, the Add Object dialog instead has a drop-down list for Case Type. The default case type is Overlay. Be careful to select the appropriate case type, as once a case is created, the Type cannot be changed.

Add (Case - O	bjects created will have initial visibility in case: 0	×
Select Car Optional S Enter or New Ca	Security G	 Overlay Overlay Overlay Incremental Logic Actual Interface Attribute Multi-dim Interface-Export 	I attribute changes) Right column shows characters remaining.
Order -1.7919 -56.0	Name UIDEMO Forecast	v objects are added below the selected row. Temp Data 2016 - Actuals through April Attributes 2016 - Actuals through April Data	

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Note that when adding a Case, the Name, Order and Visibility are created in the Zero case, which makes it available across scenarios.

Add Scenario

When creating a Scenario, the Add Object dialog has an additional dropdown box to assign it a Sys User Defined Scenario

Type (if this entity group has been populated).

 Add Scenario - Objects created will have initial visibility in case: 0 	X
Select parent: O	
Optional Security Group (Owner): sys-User Defined Scenario Add Objects Listed Below Save to disc (saves all attribute changes) 	Type: Model Budget Model
Enter or Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Right column shows character	cters remaining.
New Scenario	68
Click on a row. New objects are added below the selected row.	
Order Name	
0.0 Actuals	
1.0 2016 Official Budget	
2.0 2015 March Reforecast	=
3.0 Working Forecast	-
4.0 Detail Model 2015-2019 Base Plan	
5.0 Detail Model 2015-2019 Defer CapEx	
6.0 Detail Model - Goal Seek Revenue	
7.0 Detail Model - Plant With Jan 2015 Actuals	

Error Messages

Duplicate Name

If the name of the object being added already exists in that Object Type, an error message will indicate the duplicate.

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Add Entity - Objects created will have initial visibility in case: Base Attribute Case
Select parent: 🖶 Department 💌
Optional Security Group (Owner):
Add Objects Listed Below Save to disc (saves all attribute changes)
Enter or Paste Name(s) To Add. Use the character after name for default code: 'New name 0052'. Right column shows characters remaining.
Generation 70
Click on a row. New objects
Order Name
11.0 Generation
13.0 Customer Care
15.0 Corporate
17.0 Internal Audit
18.0 Information Techr
20.0 Purchasing
21.0 Warehouse

Duplicate Code

If the Default Code being added already exists in that object type, an error message will indicate the duplicate.

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 Add 	Entity -	Objects created will have initial visibility in case: Base Attribute Case	X
Select pa	arent:	Department	
Optional	Security	Group (Owner):	
	A	dd Objects Listed Below Save to disc (saves all attribute changes)	
Enter o	r Paste N	ame(s) To Add. Use the character after name for default code: 'New name 0052'. Right column shows characters	remaining.
SOX C	omplianc	e 001	66
Click on a	a row. N	Duplicate Default Code The code '001' is a duplicate code. Duplicates id (30636051) 001: Human Resources	
Order	Name		
1.0	No Cer		
2.0 4.0	Human All		
5.0	Finance		
7.0	Corpor		
9.0	Transn	ОК	
11.0	Genera		

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Edit Time Data

The Edit Time Data screen (typically referred to as the Time Data Editor) is the tool used to view, edit, or delete time dependent data for Financial Model reports or for Planning Ledger accounts. Time dependent data is stored by year and month, as opposed to attribute data, which is a single value for all time. Data that can be viewed or modified through the Time Data Editor is one of two types:

- » Any line on a Financial Model report that has the "input" function in either the Forecast Formula or Actual Formula.
- Planning Ledger accounts (using the Input Actuals variant of the screen).

See below:

Select Report to Edit			Select Time	e Period		
Bonds - Detailed Model			Eor an	nual dollars, divide by	12	
Select Cases to Edit			Start Year:			2016
All None Cases w/ Data For Cur Ents Lines	Ord	er: Case-Entity-Line				
Selected Case						5
✓ 0 2011 - 2015 Base Plan			Years By M			4
Demonstrate Model Concepts			One period	:		
UIDEMO Temp Data Actuals			Excel forma	at:	General	
			Only: 🔽 Ir	iputs 🔲 Forecast Inp	ute Actual Inpute	
				Dollars (000) with Actu		
			Show I	ine Reference in Exce	əl	
elect Entities to Edit		Select Lines to E	lit			
elect Entities to Edit All None Ents w/ Data For Cur Cases Lines		Select Lines to E	it None	Lines w/ Data	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines				Lines w/ Data	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines		All Filter:	None	· · · · · · · · · · · · · · · · · · ·	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines		All		· · · · · · · · · · · · · · · · · · ·	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines ilter: None		All Filter:	None	· · · · · · · · · · · · · · · · · · ·	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines ilter:		All Filter: None	None	· · · · · · · · · · · · · · · · · · ·	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines Iter: -		All Filter: None Select Line BA:[Si BC:[Re	None None None Image: No	Limit	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines itter:		All Filter: None Select Line BA:[5] BC:[Re BS:[In	None None None </td <td>Limit al] - Variable]</td> <td>For Cur Cases</td> <td>Ents</td>	Limit al] - Variable]	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines ilter:		All Filter: None BA:[Si BC:[Re BS:[In DH:[Re	None None None None None None None None	Limit al] - Variable]	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines itter:		All Filter: None Ba:[St BC:[Re BS:[Im DH:[Rt V] DM:[Pt	None None None </td <td>Limit al] - Variable] n)]</td> <td>For Cur Cases</td> <td>Ents</td>	Limit al] - Variable] n)]	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines ilter: None <	×	All Filter: None Select Line BA:[5] BC:[Re BS:[Im DH:[R, V DM:[P] V DN:[U' DD:[U'	None None King Fund] scquisition of Princip erest Rate (Monthly) acquisition Loss (Gai ncipal Outstanding) amortized Issue Cos amortized Discount i	Limit - Variable] n)] t]	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines ilter:	×	All Filter: None Select Line B&:(Si BC:[Re BS:[In DH:[W] V DM:[U] V DN:[U] DD:[U] DD:[D]	None King Fund] scquistion of Princip erest Rate (Monthly) acquistion Loss (Cal amortized Issue Cos amortized Discunt I rest Payable]	Limit - Variable] n)] t] (Premium)]	For Cur Cases	Ents
All None Ents w/ Data For Cur Cases Lines ilter: None <		All Filter: None Select Line B&:(Si BC:[Re BS:[In DH:[W] V DM:[U] V DN:[U] DD:[U] DD:[D]	None None King Fund] scquisition of Princip erest Rate (Monthly) acquisition Loss (Gai ncipal Outstanding) amortized Issue Cos amortized Discount i	Limit - Variable] n)] t] (Premium)]	For Cur Cases	Ents
Iter: None Image: Solution of the solution		All Filter: None Select Line B&:(Si BC:[Re BS:[In DH:[W] V DM:[U] V DN:[U] DD:[U] DD:[D]	None King Fund] scquistion of Princip erest Rate (Monthly) acquistion Loss (Cal amortized Issue Cos amortized Discunt I rest Payable]	Limit - Variable] n)] t] (Premium)]	For Cur Cases	Ents

Edit Time Data - Accounts					X
Select Cases to Edit			Select Time Period		
All None Cases w/ Data For Cur Ents Acts Ord	ler: 🕻	Case-Entity-Account 💌	For annual dollars, d	livide by 12	
Selected Case			Start Year:		2014 🊔
C 2016 - 2020 Base Plan			Years By Month:		2
Demonstrate Model Concepts			One period:		
Data from Budget System			Excel format:		
UIDEMO Temp Data			Excel format:	General	▼
Actuals From Ledger			Revenue	Expense	e
			Asset	Liability	
			Cash-Direct	Cash-In	direct
			Input monthly target	📃 Input es	scalation amount
elect Entities to Edit	_	Select Accounts to Edit			
All None Ents w/ Data For Cur Cases Acts		All None	Acts w/ Data	For Cur Cases	Ents
Filter:		Filter:	Sł	now In Alpha Order	r
Select Planning Entity		Select Account			
Acquisition Co		142.0 142.	0 Customer accounts receiv	able.	
Chicago Electric		143.0 143.	0 Other accounts receivable		
Chicago Gas			0 Accumulated provision for	uncollectible accor	untsCr.
Chicago Nonutility			0 Accounts receivable from	associated compar	nies.
Prairie Gen	Ξ	131.0 131.			
Suburban Gas			0 Interest special deposits.		
SWEGCO Common			0 Dividend special deposits.		
SWEGCO Electric			0 Other special deposits.		
SWEGCO Gas			0 Working funds.		
Tri-State Elim		151.0 151.			
Tri-State Parent	Ŧ	▼ 152.0 152.	0 Fuel stock expenses undis	tributed.	~
Help Delete UIDEMO Temp Data Delete Data		View Existing Data	Edit & Return E	dit & Close	Close

UIPlanner uses MS Excel as a data entry mechanism. Upon making the desired selections, the user selects one of the two Edit buttons, which launches MS Excel. When Excel is closed, the data is saved into the database, in the UIP_TIME_DATA table.

The Time Data Editor can be accessed in several ways:

- » Menus Edit Time Data menu item or Input Actuals menu item.
- » Run Sequences screen right click option on any report.
- ^{>>} Group Reports screen right click option on any report, as well as an action button.
- Calculation Editor screen button on the menu ribbon, as well as a hotkey (ctrl=T).
- >>> Browse Reports screen from the Action Panel tab on Browse Report.

The Edit Time Data screen is a modal dialog, which means that when it is open, the user cannot do anything else in UIPlanner.

The selections on the Time Data editor are all saved as user preferences, which means that they are saved between sessions. There are also several configurable User Preferences related to the Edit Time Data screen. See User Preferences below.

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Note that for Multidimensional datasets, there is a similar screen – Edit Data in Excel. See Edit Data in Excel for more information.

ect Sequence & Dataset			Select Case		Select Time Period
Budget		• 🔗	C Multidim Case - 2016 Budget	 ✓ A 	Start Year: 201
7: Labor - by Class		• 🔗			Years to Edit: Years By Month:
ct Department to Edit		Select Resource Category to Edit		Select SubResource to Edit	
No Filter Selected	1	O No Filter Selected	▼ A	O No Filter Selected	
Hide Unselected Entities with Data For Current Selection	5	Hide Unselected Entities	with Data For Current Selections	Hide Unselected Entities with Data	For Current Selection
ect Department	1	Select Resource Category	,	Select SubResource	_
		AC: AvioCate Costs AC: AvioCate Costs AC: Apply Standard Rates BALR: Base Pay BALR: Bas	Ical Ical Ical Ical Ical Ical Ical Ical	AL1: All Subreaurces A: Apprentice Y H: Hourly S: Salaried	

Screen Layout

The top of the dialog indicates the report for which the Time Data is being edited. Time data in reports in the Financial Model is stored by Case, Report, Line, Entity/Sub-Entity, and Time (Year and 12 months across). Hence, the Time Data Editor organized in regions based on these dimensions.

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Select Report to Edit					
,			Select Time Period		
Bonds - Detailed Model		-			
Select Cases to Edit			For annual dollars, di	ivide by 12	
All None Cases w/ Data For Cur Ents Lines	Orde	r: Case-Entity-Line 🔻	Start Year:		2016 🌲
	0.00		Years to Edit:		5 🌲
Selected Case			Years By Month:		4 🌲
O 2011 - 2015 Base Plan O Demonstrate Model Concepts			One period:		-
O UIDEMO Temp Data			Excel format:		
C Actuals				General	•
			Only: 🗸 Inputs 📃 Fore	cast Inputs 📃 Actual Inputs	
			📃 a- for Dollars (000) v	vith Actuals	
			Show Line Reference	in Excel	
Select Entities to Edit		Select Lines to Edit			
All None Ents w/ Data For Cur Cases Lines					
All Hole Elles Wy but Elles					Ente
Filter'			None Lines w/ Da	ta For Cur Cases	Ents
Filter:		Filter:		For Cur Cases	Ents
Filter:			None Lines w/ Da	ta For Cur Cases	Ents
None		Filter:		ta For Cur Cases	Ents
None		Filter:	< Limit	For Cur Cases	Ents
None		Filter:	Fund]	ta For Cur Cases	Ents
None Imit Im	-	Filter: None Select Line BA:[Sinking] BC:[Reacqui	Fund]	ta For Cur Cases	Ents
None		Filter: None Select Line BA:[Sinking] BC:[Reacquit BB:[Interest DH:[Reacquit	Fund] stiton of Frincipal] Rate (Monthly) - Variable] stiton Loss (Gain)]	ta For Cur Cases	Ents
None	-	Filter: None Select Line BA:[Sinking BS:[Interest DH:[Reacqui V] DM:[Principa	Fund] sition of Principal] Rate (Monthly) - Variable] sition Loss (Gain)] ol Outstanding]	For Cur Cases	Ents
None None None None Control Contro Contro Control Control Control	-	Filter: None Select Line BC:[Reacqui BC:[Reacqui DH:[Reacqui V DM:[Vinicipa	Fund] Sition of Principal] Rate (Monthy) - Variable] Sition Loss (Gain)] I Outstanding] It Cutstanding] Litzed Issue Cost]	For Cur Cases	Ents
None	-	Filter: - None Select Line BA-[Sinking] BC:[Reacqui BS:[Interest DH:[Reacqui V DM:[Unamor DO:[Unamor	Fund] sition of Principal] Rate (Monthly) - Variable] isition Loss (Gain)] 1 Outstanding] tized Issue Cost] tized Discourt (Premium)]	ta For Cur Cases	Ents
None None None None None CHI 4.50% FMB due May 15, 2013 CHI 5.5% FMB due Nay 15, 2013 CHI 5.5% FMB due Nay 15, 2017 CHI 5.65% FMB due Nay 15, 2017 CHI 5.65% FMB due Nay 15, 2033 CHI 6.5% FMB due Nay 15, 2033 CHI 6.5% FMB due Nay 1, 2036 CHI 6.5% FMB due Nuo 1, 2036 CHI 6.5% FMB due Nuo 1, 2036	-	Filter: - None - Select Line Bo:[Reacqui: BS:[Interest DH:[Principe V DN:[Unamor DO:[Unamor DO:[Unamor	Fund] sition of Principal] sition to Second Second Rate (Monthy) - Variable] sition Loss (Gain)] al Outstanding] tized Issue Cost] tized Discount (Premium)] Payable]		Ents
None	-	Filter: - None - Select Line Bo:[Reacqui: BS:[Interest DH:[Principe V DN:[Unamor DO:[Unamor DO:[Unamor	Fund] sition of Principal] Rate (Monthly) - Variable] isition Loss (Gain)] 1 Outstanding] tized Issue Cost] tized Discourt (Premium)]		Ents
None		Filter: - None - Select Line Bo:[Reacqui: BS:[Interest DH:[Principe V DN:[Unamor DO:[Unamor DO:[Unamor	Fund] sition of Principal] sition to Second Second Rate (Monthy) - Variable] sition Loss (Gain)] al Outstanding] tized Issue Cost] tized Discount (Premium)] Payable]		Ents
None		Filter: - None - Select Line Bo:[Reacqui: BS:[Interest DH:[Principe V DN:[Unamor DO:[Unamor DO:[Unamor	Fund] sition of Principal] sition to Second Second Rate (Monthy) - Variable] sition Loss (Gain)] al Outstanding] tized Issue Cost] tized Discount (Premium)] Payable]		Ents
None → None → I		Filter: Select Line BA:[Sinking] BC:[Reacqui BS:[Interest DH:[Principa V DN:[Principa DO:[Unamor DP:[Interest DS:[Unamor	Fund] sition of Principal] sition to Second Second Rate (Monthy) - Variable] sition Loss (Gain)] al Outstanding] tized Issue Cost] tized Discount (Premium)] Payable]		Close

Note - the Ledger - Input Actuals dialog is laid out slightly differently. See Ledger – Input Actuals for more information.

The dimension selection regions of the Time Data Editor dialog are:

- >> Select Report to Edit (top uppermost left region) Drop-down list of all reports.
- >> Select Cases to Edit (top left region) List of all Time Data cases for the active scenario.
- >> Select Entities to Edit (center left region) List of all entities for the selected report.
- >> Select Time Period (top right region) drop-down lists for selecting the time periods to edit
- Select Lines to Edit (center right region) List of lines in the selected report filterable to only Input lines. Note that just above the Select Lines to Edit region there is a group of check-boxes that allow the user to filter the selected lines

There are also a series of action buttons across the bottom of the window. These launch the related actions off of the selections (view data, edit data, etc.).

Selection Options

Below are the various selection options on the Time Data Editor. Note that there are checkboxes that enable automatic selection of Cases / Entities / Lines based on other selections. See Assisted Data Selection.

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Note - the Edit buttons at the bottom of the window are not activated unless at least one selection is made in each window.

Report

Select a report from the drop-down list of all reports in order to edit that report's Time Data. If the user has only View rights, that will be indicated.

 Edit Time Data - O&M 	
Select Report to Edit	
■ 0&M	-
Jurisdictional Allocators	
Jurisdictional Earnings	
Jurisdictional Working Capital	
■ 0&M	
Definition of the second secon	
Plant Account Detail	
Property Tax	
📄 Rate Base per Books	*
G Actuals	

Case

Use the checkboxes to select the cases to edit. The three buttons assist in the selection. The Cases w/Data will select all cases that have data for the selected report. See Assisted Selections for information on the For Cur Ents and Lines checkboxes. See Excel Editor Order for information on the Order dropdown.

Select Report to Edit	
0&M	•
Select Cases to Edit	
All None Cases w/ Data For Cur Ents Lines	Order: Case-Entity-Line 🔻
Selected Case	
✓ 02016 - 2020 Base Plan	
Data from Budget-Locked	
View: Reduce O&M - Trainng	
2016 Budget Revision-Locked	
🖸 UIDEMO Temp Data	
C Actuals	

Locked cases will be identified as such. Also, if the user has only view rights, that will be indicated as well. See below under Security / Visibility.

Entity

Use the checkboxes to select the entities to edit. If the report is a 2-dimensional report, there will be two entity lists. See 2 D Reports.

The three buttons assist in the selection. The Ents w/Data checkbox will select all entities that have data for the selected report. See Assisted Selections for information on the For Cur Cases and Lines checkboxes.

Select En	tities to Edit	
All	None Ents w/ Data For Cur Cases Lines	
Filter:		
None	e ▼	
Select	Planning Entity	
v	Chicago Electric	
v	Chicago Gas	
v	Chicago Nonutility	
	SWEGCO Electric	
	SWEGCO Gas	
	SWEGCO Common	
	Suburban Gas	=
	Acquisition Co	
	Tri-State Parent	
	Tri-State Elim	
	Prairie Gen	
	UI Services	
	UI Energy Parent	_
	UI Enerav Elim	

Filter

The Filter dropdown allows the user to select an Entity filter to filter the entity list.

Select Entities to Edit
All None Ents w/ Data For Cur Cases Lines
Filter:
Chicago Electric Bonds 📉
None /3
Chicago Electric Bonds
EMB 10del
swecco Bonds Je January 15, 2045
Swedco bollus chi 1.5070 r mb ule May 15, 2015
CHI 5.00% FMB Due July 2, 2042 (Planned)
CHI 5.25% FMB due August 1, 2045
CHI 5.5% FMB due Nov 1, 2035
CHI 5.5% Senior Notes due May 15, 2017
CHI 5.625% PCB due May 15, 2033
CHI 5.75% Due Jan 5, 2040 (Planned)
CHI 6% PCB due Jan 1, 2015
CHI 6.2% Senior Notes due April 1, 2033
CHI 6.5% FMB due Nov 1, 2036
CHI 6.50% FMB due Jun. 1, 2028
CHI 6.625% FMB due Nov. 15, 2016
CHI 6.75% FMB due Nov 1, 2037
CHI 6.875% FMB due Dec. 1, 2095
CHI 7.25% FMB due Aug. 1, 2024
CHI 9.47% Debenture due March 1, 2018

Limit

The Limit textbox allows the user to filter the entity list using a text search. Check the checkbox to apply the search. See below.

Select Entities to Edit		
All	None Ents w/ Data For Cur Cases Lines	
Filter:		
r nter i		
None	🔻 FMB 🗸 << Limit	
Select	Bonds - Detailed Model	
	CHI 4.00% FMB due January 15, 2045	
	CHI 4.50% FMB due May 15, 2015	
	CHI 5.00% FMB Due July 2, 2042 (Planned)	
	CHI 5.25% FMB due August 1, 2045	
	CHI 5.5% FMB due Nov 1, 2035	
	CHI 6.5% FMB due Nov 1, 2036	
	CHI 6.50% FMB due Jun. 1, 2028	
	CHI 6.625% FMB due Nov. 15, 2016	
	CHI 6.75% FMB due Nov 1, 2037	
	CHI 6.875% FMB due Dec. 1, 2095	
	CHI 7.25% FMB due Aug. 1, 2024	
	Corp 6% FMB due Aug 1, 2020	
	Prairie Gen 5.60% FMB due Sept. 15, 2033	
	SWEG 4.5% FMB Due Feb. 1, 2039 SWEG 5% FMB due Feb 1, 2018	
	SWEG 5% FMB due Feb 1, 2018 SWEG 6.00% FMB due Sept. 1, 2015	
	SWEG 6.25% FMB due March 1, 2013	
	SWEG 6.25% FMB due Jan 15, 2032	

Line

Use the checkboxes to select the lines to edit. Data can only be entered on lines with an Input function in the Forecast or Actual formulas. When editing, as soon as a line is designated as Input, it will appear in this list. The three buttons assist in the selection. The Lines w/Data checkbox will select all lines that have data for the selected report. See Assisted Selections for information on the For Cur Cases and Entities checkboxes.

	Only: 🗸 Inputs 🔄 Forecast Inputs 🔄 Actual Inputs		
	a- for Dollars (000) with Actuals		
	Show Line Reference in Excel		
Select Lin	es to Edit		
All	All None Lines w/ Data For Cur Cases Ents		
Filter:			
None	None 🔻		
Select	Line		
	Variable Interest Rate		
	New Issue Cost Percent		
	Sinking Fund		
	Reacquisition of Principal		
	Interest Rate (Monthly) - Variable		
	Reacquisition Loss (Gain)		
-	Ending Principal Outstanding		
	Ending Unamortized Issue Cost		
	Ending Unamortized Discount (Premium)		
v	Ending Interest Payable		
	Unamortized Reacquisition Loss (Gain)		

The user can only enter data on lines designated as 'input'. However, there is an option to show all lines in the report by unchecking the Only Inputs box.

Additional Checkboxes

Only Inputs / Only Forecast Inputs / Only Actual Inputs

These checkboxes allow the user to limit the lines to those with Input formulas. If unchecked, the list will show all lines in the report. The most common setting is to show Only Input lines. See below.

Below is the underlying report – note the lines with Input functions. Some are in the Formula-forecast column and some in the Formula-actual column.

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83			o 🗣 💯 🗠 💽 🗏 🖹 📾 🎧 🔳 🧭 🌌 陆 🔳 (🕒 🕙 🕐 Viewing Bonds - Detailed Model
мм	Ref.	Line label	Formula-forecast	Formula-actual
	A		Place Holder for Entity Description	Place Holder for Entity Description
	В		Label Only	Label Only
	С	Planning Entity	Association To(Planning Entity)	
	D	New Issue Principal	Attribute(New Issue Principal)	
	E	Variable Interest Rate	Input()	
	F	Issue Date YYYYMM	Attribute(Issue Date (yyyymm))	
	G	New Issue Cost Percent	Input()	
	н	Issue Day (1-30)	Attribute(Issue Day)	
	H -	Issue Day (1-30)	Attribute(Issue Day)	
			Attribute(Issue Day)	iled Model
			n	iled Model Formula-actual
а () мм				Formula-actual
MM	Ref.		Image: Second state Image: Second state Imag	Formula-actual Input()
MM	Ref. DQ	Line label	المعالم المعالم المعالم المعالم المعالم المعالم المعالم	Formula-actual Input() Input()
MM	Ref. DQ DR	Line label Ending Principal Outstanding Ending Unamortized Issue Cost	Image: Second state of the second s	Formula-actual Input() Input() Input()
	Ref. DQ DR DS	Line label Ending Principal Outstanding Ending Unamortized Issue Cost Ending Unamortized Discount (Premium)	Image: Second	Formula-actual Input() Input() Input()
	Ref. DQ DR DS DT	Line label Ending Principal Outstanding Ending Unamortized Issue Cost Ending Unamortized Discount (Premium) Ending Interest Payable	Image: Second	Formula-actual Input() Input() Input()
	Ref. DQ DR DS DT DU	Line label Ending Principal Outstanding Ending Unamortized Issue Cost Ending Unamortized Discount (Premium) Ending Interest Payable Principal Due within 12 Months	Image: Second	Formula-actual Input() Input() Input() Input()

Only Inputs

This shows all lines with Input formulas, whether in the Formula-forecast or Formula-actual column.

	Only: V Inputs Forecast Inputs Actual Inputs a- for Dollars (000) with Actuals Show Line Reference in Excel
Select Lin	es to Edit
All	None Lines w/ Data For Cur Cases Ents
Filter:	
None	• Climit
Select	Line
	Variable Interest Rate
	New Issue Cost Percent
	Sinking Fund
	Reacquisition of Principal
	Interest Rate (Monthly) - Variable
	Reacquisition Loss (Gain)
v	Ending Principal Outstanding
	Ending Unamortized Issue Cost
	Ending Unamortized Discount (Premium)
1	Ending Interest Payable
	Unamortized Reacquisition Loss (Gain)

Only Forecast Inputs

This shows only lines with Input in the Forecast formula.

	Only: Inputs V Forecast Inputs Actual Inputs
	a- for Dollars (000) with Actuals
	Show Line Reference in Excel
Select Lir	es to Edit
All	None Lines w/ Data For Cur Cases Ents
Filter:	
None	• Climit
Select	Line
Select	Line Variable Interest Rate
Select	
Select	Variable Interest Rate
Select	Variable Interest Rate New Issue Cost Percent
Select	Variable Interest Rate New Issue Cost Percent Sinking Fund

Only Actual Inputs

This limits the list to lines with Input in the Actual formula. Note that this is unrelated to the case where the data is stored (Month to Annual setting – With Actuals or Without Actuals.)

	Only: Inputs Forecast Inputs Actual Inputs a- for Dollars (000) with Actuals Show Line Reference in Excel	
Select Lir	nes to Edit	
All	None Lines w/ Data For Cur Cases Ents	
Filter:		
Openin	g Balances 💌 📃 << Limit	
Select	Line	
v	Ending Principal Outstanding	
V	Ending Unamortized Issue Cost	
-	Ending Unamortized Discount (Premium)	
1	Ending Interest Payable	
v	Unamortized Reacquisition Loss (Gain)	

All

This shows all lines in the report.

	Only: Inputs Forecast Inputs Actual Inputs a- for Dollars (000) with Actuals Show Line Reference in Excel	
All Filter:	g Balances V Limit	
Select	Line	
	DI:[Interest Payment]	
	DJ:[End if]	
	DK:[]	
	DL:[Reacquisition Loss (Gain)]	
	DM:[Reacquisition Issue Cost & Discount]	
	DN:[Amort. of Reacquisition Loss (Gain)]	
	DO:[]	
	DP:[Ending Balance:]	
v	DQ:[Ending Principal Outstanding]	
1	DR:[Ending Unamortized Issue Cost]	
v	DS:[Ending Unamortized Discount (Premium)]	
✓	DT:[Ending Interest Payable]	
	DU:[Principal Due within 12 Months]	
	DV:[Principal Due Long-Term]	Ξ
v	DW:[Unamortized Reacquisition Loss (Gain)]	
	DX:[]	Ŧ

a-For Dollars with Actuals

This will tag with an a- any input lines that are configured as Dollars with Actuals. This assists users in choosing which case in which to enter actuals data.

	Image: Constraint of the second se	
Select Lir	nes to Edit	
All	None Lines w/ Data For Cur Cases	
Filter:		
None		
Select	Line	
	Variable Interest Rate	
	New Issue Cost Percent	
	Sinking Fund	
	a-Reacquisition of Principal	
	Interest Rate (Monthly) - Variable	
	a-Reacquisition Loss (Gain)	
	a-Ending Principal Outstanding	
	a-Ending Unamortized Issue Cost	
	a-Ending Unamortized Discount (Premium)	
	a-Ending Interest Payable	
	a-Unamortized Reacquisition Loss (Gain)	

Show Line Reference in Excel

This checkbox will show the line reference, both in the dialog and in the Excel Editor.

	Show Line Reference in Excel
Select Lin	es to Edit
All	None Lines w/ Data For Cur Cases
Filter:	
None	• 🔻 🔲 🔲 << Limit
Select	Line
1	E:[Variable Interest Rate]
1	G:[New Issue Cost Percent]
1	BE:[Sinking Fund]
1	BG:[Reacquisition of Principal]
v	BW:[Interest Rate (Monthly) - Variable]
v	DL:[Reacquisition Loss (Gain)]

With the checkbox ON

В	С	D	E	F	G	Н	I.	J	K	L	Μ	N
Bonds - Detailed Model	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Actuals												
2016 Forecast Bond 4% 2/1/2016												
DQ:[Ending Principal Outstanding]												100000
DT:[Ending Interest Payable]												25000
CHI 4.00% FMB due January 15, 2045												
DQ:[Ending Principal Outstanding]												250000
DT:[Ending Interest Payable]												50000
CHI 4.50% FMB due May 15, 2015												
DQ:[Ending Principal Outstanding]												125000
DT:[Ending Interest Payable]												1666

With the checkbox OFF

В	С	D	Е	F	G	Н	1	J	К	L	М	N
Bonds - Detailed Model	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Actuals												
2016 Forecast Bond 4% 2/1/2016												
Ending Principal Outstanding	`											100000
Ending Interest Payable												25000
CHI 4.00% FMB due January 15, 2045												
Ending Principal Outstanding												250000
Ending Interest Payable												50000
CHI 4.50% FMB due May 15, 2015												
Ending Principal Outstanding												125000
Ending Interest Payable												1666

Filter

The Filter drop-down list allows the user to filter the lines using the Saved Line settings for the report, or create new Saved Line settings. See Browse Reports for more information on Saved Line Settings.

Select Lir	nes to Edit
All	None Lines w/ Data For Cur Cases Ents
Filter:	
	g Balances
None	
	ummary
	g Balances est Rate
	New Issue Cost Percent
	Sinking Fund
	Reacquisition of Principal
	Interest Rate (Monthly) - Variable
	Reacquisition Loss (Gain)
1	Ending Principal Outstanding
1	Ending Unamortized Issue Cost
1	Ending Unamortized Discount (Premium)
1	Ending Interest Payable
1	Unamortized Reacquisition Loss (Gain)
	·

Limit

The Limit textbox allows the user to filter the line list using a text search. Check the checkbox to apply the search. See below.

Select Lin	nes to Edit
All	None Lines w/ Data For Cur Cases Ents
Filter:	
None	
Select	Line
	Variable Interest Rate
	Interest Rate (Monthly) - Variable
	Ending Interest Payable

Select Time Period

The various selections in the Select Time Period region allow the user to configure the time periods to view or edit. Use the three drop-down lists to set the time settings

- » Start Year: Select the start year.
- >> Years to Edit: Select the number of years (in total) to edit.
- >> Years by Month: Select the number of years to edit by month.

See the example below

										X						
Selec	ct Time	e Perio	d													
	For ani	nual de	ollars,	divide	e by 12	2										
Start	Year:			[2(016 🌲						
Order: Case-Entity-Line Year	s to Ed	it:								5 🌲						
Year	s By M	onth:		[1 🜲						
One	period	:								•	1					
Exce	l forma	at:		[Genera	al				•						
Only	: 🔽 In	puts	Fo	recast	Input	s 📃	Actual	Input	s							
	a- for [ollars	(000)) with	Actual	s										
	Show L	ine Re	eferen	ce in I	Excel											
Select Lines to Edit	es w/ D	ata		For	Cur Ci	acoc			Ents							
Filter:	.5 VV/ L	ata			cur ci	0365			LIILO							
None 🔻 🗌 🦳 <	< Limi	•														
Select Line																
Variable Interest Rate																
В	C	D	Е	F	G	Н	1	J	K	L	М	Ν	0	Р	Q	R
Bonds - Detailed Model	Jan	Feb			May		Jul	Aug					Year			
2016 - 2020 Base Plan	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2017	2018	2019	2020
CHI Variable Rate Notes due April 1, 2033																_
Variable Interest Rate	3	3	3	3	3	3	3	3	3	3	3	3	3.5	3.5	3.75	3.75

One Period

This option enables the user to edit a single month/year. Upon selecting a date, the Excel template will display only that month/year. This option is very helpful if editing or viewing data across several lines for each entity for a specific time period, such as year-end Plant in Service and Accumulated Depreciation across all Plant Accounts, or Principal Outstanding and Interest Payable across all Bonds (as shown below).

ct Report to Edit Bonds - Detailed Model					Select Time Period	
				▼]	For annual dollars	divide by 12
ct Cases to Edit					Start Year:	2016
None Cases w/ Data For Cur Ents Lines			Order	Case-Entity-Line 🔻	Years to Edit:	
			order	Case Endry Line +		5 荣
ected Case					Years By Month:	1
© 2016 - 2020 Base Plan					One period:	12/2015 🔹
O Data from Budget System					Excel format:	General 👻
2016 Budget Revision					Only: 🗸 Inputs 🔲 Fo	recast Inputs 🔲 Actual Inputs
OUIDEMO Temp Data Actuals					a- for Dollars (000) with Actuals
Actuals					Show Line Referen	·
ct Entities to Edit			Select Lir	es to Edit		
II None Ents w/ Data For Cur Cases Line	s		All	None	Lines w/ Data	For Cur Cases Ents
er:			Filter:			
None 🔻			None		C << Limit	
			NOTE			
ct Bonds - Detailed Model		1	Select	Line		
2016 Forecast Bond 4% 2/1/2016				Variable Interest Rate		
CHI 4.00% FMB due January 15, 2045				New Issue Cost Percen	t	
CHI 4.50% FMB due May 15, 2015				Sinking Fund	-	
CHI 5.00% FMB Due July 2, 2042 (Planned)				Reacquisition of Princip	al	
CHI 5.25% FMB due August 1, 2045	- 8			Interest Rate (Monthly)		
CHI 5.5% FMB due Nov 1, 2035				Reacquisition Loss (Gai	n)	
CHI 5.5% Senior Notes due May 15, 2017			1	Ending Principal Outsta	nding	
CHI 5.625% PCB due May 15, 2033				Ending Unamortized Iss	sue Cost	
				Ending Unamortized Dis	scount (Premium)	
CHI 5.75% Due Jan 5, 2040 (Planned)						

В	С	D
Bonds - Detailed Model	Dec	Dec
	2015	2015
	Ending Principal Outstanding	Ending Interest Payable
Actuals		
2016 Forecast Bond 4% 2/1/2016	100000	25000
CHI 4.00% FMB due January 15, 2045	250000	50000
CHI 4.50% FMB due May 15, 2015	125000	1666
CHI 5.00% FMB Due July 2, 2042 (Planned)		

Other Options

Excel Format

The default for viewing data in Excel is how the data is formatted on the Browse Reports screen. Users can use this dropdown list to select another format.

- >>> General no formatting.
- Line Format format specified on the Browse Reports screen for that line.

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User specified formats – e.g., #,##0, #,##0.0, etc.

See the example below.

Select Lin All Filter: Select Select		a - for Dollars (000 Show Line Referee Lines w/ Data		
	В		С	D
	Bonds - Detailed	l Model	Dec	Dec
			2015	2015
			Ending Principal Outstanding	Ending Interest Payable
Actual	s			
201	6 Forecast Bond 4% 2	2/1/2016	100,000.000	251.499
CHI	4.00% FMB due Janu	uary 15, 2045	250,000.000	1,250.125

CHI 4.00% FMB due January 15, 2045 125,000.000 CHI 4.50% FMB due May 15, 2015

CHI 5.00% FMB Due July 2, 2042 (Planned)

Assisted Selections

As indicated above under Selection Options, the choices of Case, Entity and Line to edit are made by checking the items in the respective sections. When there are large number of items in these groups, and the data is sparsely populated, it can be difficult to get the right combinations. Selecting all entities in each group would result in an extremely large Excel Edit template.

1,666.250

To provide a solution to this issue, the Time Data Editor has Assisted Selection. This allows the user to have UIPlanner set the check boxes on the screen based on the existence of data. Set the check boxes in one or both of the other dimensions,

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and UIPlanner can fill in the check boxes for a selected dimension (case, entity or line). Once the check boxes have been set, the user can then view or edit the data. Note that these buttons are optional.

In the example below, the user proceeded as follows to have UIPlanner select the entities. Note that at each step, UIPlanner selected the dimensions based on the assisted selection logic.

- » Select Cases to Edit
 - Select Actuals case
- Select Lines to Edit region
 - Check For Cur Cases check box.
 - Click the Lines w/data button to have UIPlanner set the check boxes for the lines. As a result, all lines with data in the Actuals case are selected. See image 1
- » Select Entities to Edit region
 - Check For Cur Cases and For Cur Lines check boxes
 - Click the Ents w/data button to have UIPlanner set the check boxes for the entities. As a result, all entities with lines / data in the Actuals case are selected. See image 2
- Select Edit in Excel. See image 3

Lines automatically selected - for Current Cases

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Select Report to Edit			Select Time Pe	eriod	
Bonds - Detailed Model			For annua	I dollars, divide by 12	
			Start Year:		2005
Select Cases to Edit		r			
All None Cases w/ Data For Cur Ents Lines	Orde	r: Case-Line-Ent	tity Years to Edit:		10
Selected Case			Years By Mont	th:	10
@ 2016 - 2020 Base Plan			One period:		
G Data from Budget-Locked					
C Reduce O&M - Training			Excel format:	General	
2016 Budget Revision					
G TYOUNGQUIST Temp Data			Only: V Input	ts 📃 Forecast Inputs	Actual Inputs
Actuals			a- for Doll	lars (000) with Actuals	
			Show Line	e Reference in Excel	
All None Ents w/ Data For Cur Cases	Lines	Select Lines t All Filter:	None Lines w/ Da	ita 📝 For Cur Cas	ses 🔲 Ents
All None Ents w/ Data For Cur Cases	Lines	All Filter: None	None Lines w/ Da		ses 📃 Ents
All None Ents w/ Data For Cur Cases Ilter:	Lines	All Filter: None Select Lin	None Lines w/ Da		ses 📃 Ents
All None Ents w/ Data For Cur Cases inter:	Lines	All Filter: None Select Lin	None Lines w/ Da		ses 🔲 Ents
All None Ents w/ Data For Cur Cases inter:		All Filter: None Select Lin Prir	None Lines w/ Da	<< Limit	ses 🔲 Ents
All None Ents w/ Data For Cur Cases Iter: None Sonds - Detailed Model 2016 Forecast Bond 4% 2/1/2016 CHI 4.00% FMB due January 15, 2015 CHI 4.50% FMB due May 15, 2015	Lines	All Filter: None Select Lin Prir Var	None Lines w/ Da Elines w/ Da Control Contro	<< Limit	ses 🔲 Ents
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Entities automatically selected - for current Cases and Current Lines

Bonds - Detailed Model Fit elect Cases to Edit Start All None Cases w/ Data For Cur Ents Lines Order: Case-Line-Entity	t Time Period or annual dollars, divide by 12	
elect Cases to Edit All None Cases w/ Data For Cur Ents Lines Order: Case-Line-Entity Years	or annual dollars, divide by 12	
All None Cases w/ Data For Cur Ents Lines Order: Case-Line-Entity Vers	1	
	Year:	2012 🚔
	s to Edit:	10 🌲
Selected Case Years	By Month:	10 🖨
	period:	
Data from Budget-Locked		
C Reduce O&M - Training	General	▼
C 2016 Budget Revision Only:	Inputs Forecast Inputs	s 📃 Actual Inputs
	- for Dollars (000) with Actual	s
S	how Line Reference in Excel	
elect Entities to Edit		
	es w/ Data V For Cur Ca	ises Ents
All None Ents w/ Data V For Cur Cases V Lines All None Line	es w/ Data 📝 For Cur Ca	Ents
inter.		
None 🔻	C << Limit	
None	C << Limit	
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elect Bonds - Detailed Model Select Line Principal Outstanding		
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lect Bonds - Detailed Model 2016 Forecast Bond 4% 2/1/2016 CHI 4.00% FMB due January 15, 2045 ✓ CHI 4.50% FMB due January 15, 2015 ✓ CHI 5.5% FMB due May 15, 2015 ✓ CHI 5.5% FMB due Nay 1, 2045 ✓ CHI 5.5% FMB due Nov 1, 2035] e ent (Format - #,##0.0000%) cipal by) - Variable ain))
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elect Bonds - Detailed Model 2016 Forecast Bond 4% 2/1/2016 Principal Outstanding CHI 4.00% FMB due January 15, 2045 Variable Interest Raturest	e ent (Format - #,##0.0000%) cipal ly) - Variable sain) j ost it (Premium))

Final selection - Edit in Excel

В	С	D	E	F	G	н	1	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z
Bonds - Detailed Model	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	D
	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	20
Actuals																								
Principal Outstanding																								
CHI 4.50% FMB due May 15, 2015												140000	140000	140000	140000	140000	140000	140000	140000	140000	140000	140000	140000	1400
CHI 5.00% FMB Due July 2, 2042 (Planned)												0	0	0	0	0	0	0	0	0	0	0	0	
CHI 5.5% FMB due Nov 1, 2035												220000	220000	220000	220000	220000	220000	220000	220000	220000	220000	220000	220000	2200
CHI 5.5% Senior Notes due May 15, 2017												0	800000	800000	800000	800000	800000	800000	800000	800000	800000	800000	800000	8000
CHI 6% PCB due Jan 1, 2015												100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	100000	1000
CHI 6.2% Senior Notes due April 1, 2033												210000	210000	210000	210000	210000	210000	210000	210000	210000	210000	210000	210000	2100
Unamortized Issue Cost																								
CHI 4.50% FMB due May 15, 2015												4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	40
CHI 5.00% FMB Due July 2, 2042 (Planned)								3																
CHI 5.5% FMB due Nov 1, 2035								-				750	750	750	750	750	750	750	750	750	750	750	750	7
CHI 5.5% Senior Notes due May 15, 2017												1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	10
CHI 6% PCB due Jan 1, 2015												400	400	400	400	400	400	400	400	400	400	400	400	4
CHI 6.2% Senior Notes due April 1, 2033												1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	11
Interest Payable																								
CHI 4.50% FMB due May 15, 2015																								
CHI 5.00% FMB Due July 2, 2042 (Planned)																								
CHI 5.5% FMB due Nov 1, 2035																								
CHI 5.5% Senior Notes due May 15, 2017																								
CHI 6% PCB due Jan 1, 2015																								
CHI 6.2% Senior Notes due April 1, 2033																								

s

Excel Editor Order

The dropdown box at the top of the dialog allows the user to select the order in which the dimensions will be displayed in the

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Excel Editor.

0&M	
Select Cases to Edit	S
All None Cases w/ Data For Cur Ents	Lines Order: Case-Entity-Line Y
Selected Case	Case-Line-Entity
☑ 2016 - 2020 Base Plan	Case-Entity-Line Line-Case-Entity 0
O Demonstrate Model Concepts	Line-Entity-Case
Data from Budget System	Entity-Case-Line
UIDEMO Temp Data	Entity-Line-Case 0
Actuals From Ledger	

Depending upon what data the user is trying to edit and how the data is populated (e.g., in how many cases) these ordering options can be very useful in organizing and facilitating editing. Below are several examples.

Case – Entity - Line

201620172018201920202016 - 2020 Base PlanChicago Electric475000484500494190504073.8514155.276D:[Nonlabor]2500025500260100265302270608.04E:[Benefits - Retired Medical]125000120200104040106120.8108243.216Chicago Gas130050132651135304.02D:[Nonlabor]10000102000104040106120.8108243.216C:[Labor]125000127500130050132651135304.02D:[Nonlabor]10000102000104040106120.8108243.216E:[Benefits - Retired Medical]50000510005202053060.454121.608F:[Benefits - Active Employees]25000255002601026530227060.804Data from Budget System51005242250247095252036.9257077.638C:[Labor]451250460275469480.5478870.11488447.512225077.638121512123547.5126018.45128538.819F:[Benefits - Retired Medical]118750121125123547.5126018.45128538.819F:[Benefits - Active Employees]950009690098383100814.76128538.819F:[Benefits - Active Employees]950009690098383100814.76128538.819D:[Nonlabor]118750121125123547.5126018.45128538.819D:[Nonlabor]95000<	-					
2016 - 2020 Base Plan -	⊕ ^{O&M}	Year	Year	Year	Year	Year
Chicago Electric 475000 484500 494190 504073.8 514155.276 D:[Nonlabor] 250000 255000 260100 265302 270608.04 E:[Benefits - Retired Medical] 125000 127500 130050 132651 135304.02 F:[Benefits - Active Employees] 100000 102000 104040 106120.8 108243.216 Chicago Gas - - 130050 132651 135304.02 D:[Nonlabor] 100000 102000 104040 106120.8 108243.216 E:[Benefits - Retired Medical] 50000 51000 52020 53060.4 54121.608 F:[Benefits - Active Employees] 25000 25500 26010 26530.2 27060.804 Data from Budget System -<		2016	2017	2018	2019	2020
C:[Labor] 475000 484500 494190 504073.8 514155.276 D:[Nonlabor] 250000 255000 260100 265302 270608.04 E:[Benefits - Retired Medical] 125000 127500 130050 132651 135304.02 F:[Benefits - Active Employees] 100000 102000 104040 106120.8 108243.216 Chicago Gas	2016 - 2020 Base Plan					
D:[Nonlabor] 250000 260100 265302 270608.04 E:[Benefits - Retired Medical] 125000 127500 130050 132651 135304.02 F:[Benefits - Active Employees] 100000 102000 104040 106120.8 108243.216 Chicago Gas	Chicago Electric					
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F:[Benefits - Active Employees]100000102000104040106120.8108243.216Chicago Gas125000127500130050132651135304.02D:[Nonlabor]10000010000104040106120.8108243.216E:[Benefits - Retired Medical]50000510005202053060.454121.608F:[Benefits - Active Employees]25000255002601026530.227060.804Data from Budget System257072601026530.227060.804C:[Labor]451250460275469480.5478870.11488447.5122D:[Nonlabor]237500242250247095252036.925707.638E:[Benefits - Retired Medical]118750121125123547.5126018.45128538.819F:[Benefits - Active Employees]950009690098838100814.76102831.0552Chicago Gas118750121125123547.5126018.45128538.819D:[Nonlabor]950009690098838100814.76102831.0552C:[Labor]118750121125123547.5126018.45128538.819D:[Nonlabor]950009690098838100814.76102831.0552F:[Benefits - Active Employees]237502422524709.525203.6925707.7638Filal Adjustments - Board Retreat50000098838100814.76102831.0552C:[Labor]500000500000500000500000500000D:[Nonlabor]2500002500002500	D:[Nonlabor]	250000	255000	260100	265302	270608.04
Chicago Gas Image: Stress of the	E:[Benefits - Retired Medical]	125000	127500	130050	132651	135304.02
C.[Labor]125000127500130050132651135304.02D:[Nonlabor]10000010000104040106120.8108243.216E:[Benefits - Retired Medical]50000510005202053060.454121.608F:[Benefits - Active Employees]25000255002601026530.227060.804Data from Budget System512202601026530.227060.804C:[Labor]451250460275469480.5478870.11488447.5122D:[Nonlabor]237500242250247095252036.925707.638E:[Benefits - Retired Medical]118750121125123547.5126018.45128538.819F:[Benefits - Active Employees]950009690098838100814.76102831.0552Chicago Gas121125123547.5126018.45128538.819D:[Nonlabor]950009690098838100814.76102831.0552E:[Benefits - Retired Medical]47500484504941950407.3851415.5276F:[Benefits - Retired Medical]47500484504941950407.3851415.5276F:[Benefits - Active Employees]237002422524709.525203.6925707.7638Final Adjustments - Board Retreat500000C:[Labor]500000500000500000500000500000500000D:[Nonlabor]250000250000250000250000250000D:[Nonlabor]<	F:[Benefits - Active Employees]	100000	102000	104040	106120.8	108243.216
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F:[Benefits - Active Employees] 25000 25500 26010 26530.2 27060.804 Data from Budget System	D:[Nonlabor]	100000	102000	104040	106120.8	108243.216
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Chicago Electric 451250 460275 469480.5 478870.11 488447.5122 D:[Nonlabor] 237500 242250 247095 25203.69 257077.638 E:[Benefits - Retired Medical] 118750 121125 123547.5 126018.45 128538.819 F:[Benefits - Active Employees] 9500 96900 98838 100814.76 102831.0552 Chicago Gas	F:[Benefits - Active Employees]	25000	25500	26010	26530.2	27060.804
C:[Labor] 451250 460275 469480.5 478870.11 488447.5122 D:[Nonlabor] 237500 242250 247095 25203.69 257077.638 E:[Benefits - Retired Medical] 118750 121125 123547.5 126018.45 128538.819 F:[Benefits - Active Employees] 96000 98838 100814.76 102831.0552 Chicago Gas	Data from Budget System					
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F:[Benefits - Active Employees] 95000 96900 98838 100814.76 102831.0552 Chicago Gas	D:[Nonlabor]	237500	242250	247095	252036.9	257077.638
Chicago Gas 5 C:[Labor] 118750 121125 123547.5 126018.45 128538.819 D:[Nonlabor] 95000 96900 98838 100814.76 102831.0552 E:[Benefits - Retired Medical] 47500 48450 49419 50407.38 51415.5276 F:[Benefits - Active Employees] 23750 24225 24709.5 25203.69 25707.7638 Final Adjustments - Board Retreat 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 250000 <	E:[Benefits - Retired Medical]	118750	121125	123547.5	126018.45	128538.819
C:[Labor] 118750 121125 123547.5 126018.45 128538.819 D:[Nonlabor] 95000 96900 98838 100814.76 102831.0552 E:[Benefits - Retired Medical] 47500 48450 49419 50407.38 51415.5276 F:[Benefits - Active Employees] 23750 24225 24709.5 25203.69 25707.7638 Final Adjustments - Board Retreat <t< td=""><td>F:[Benefits - Active Employees]</td><td>95000</td><td>96900</td><td>98838</td><td>100814.76</td><td>102831.0552</td></t<>	F:[Benefits - Active Employees]	95000	96900	98838	100814.76	102831.0552
D:[Nonlabor] 95000 96900 98838 100814.76 102831.0552 E:[Benefits - Retired Medical] 47500 48450 49419 50407.38 51415.5276 F:[Benefits - Active Employees] 23750 24225 24709.5 25203.69 25707.7638 Final Adjustments - Board Retreat S0000 500000 500000 500000 500000 500000 500000 500000 500000 250000	Chicago Gas					
E:[Benefits - Retired Medical] 47500 48450 49419 50407.38 51415.5276 F:[Benefits - Active Employees] 23750 24225 24709.5 25203.69 25707.7638 Final Adjustments - Board Retreat	C:[Labor]	118750	121125	123547.5	126018.45	128538.819
F:[Benefits - Active Employees] 23750 24225 24709.5 25203.69 25707.7638 Final Adjustments - Board Retreat C <thc< th=""> C <thc< th=""></thc<></thc<>	D:[Nonlabor]	95000	96900	98838	100814.76	102831.0552
Final Adjustments - Board Retreat Second Retreat Chicago Electric 500000 500000 500000 500000 C:[Labor] 500000 500000 500000 500000 500000 D:[Nonlabor] 250000 250000 250000 250000 250000 E:[Benefits - Retired Medical] Image: Condition of the second	E:[Benefits - Retired Medical]	47500	48450	49419	50407.38	51415.5276
Chicago Electric 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 500000 250000 <	F:[Benefits - Active Employees]	23750	24225	24709.5	25203.69	25707.7638
C:[Labor] 500000 500000 500000 500000 500000 500000 500000 500000 2500	Final Adjustments - Board Retreat					
D:[Nonlabor] 250000 250000 250000 250000 250000 E:[Benefits - Retired Medical] 250000 250000 250000 250000 250000 250000	Chicago Electric					
D:[Nonlabor] 250000 250000 250000 250000 250000 E:[Benefits - Retired Medical] 250000 250000 250000 250000 250000 250000	C:[Labor]	500000	500000	500000	500000	500000
		250000	250000	250000	250000	250000
F:[Benefits - Active Employees]	E:[Benefits - Retired Medical]					
	F:[Benefits - Active Employees]					

Line - Entity - Case

O&M	Year	Year	Year	Year	Year
	2016	2017	2018	2019	2020
C:[Labor]					
2016 - 2020 Base Plan					
Chicago Electric	475000	484500	494190	504073.8	514155.276
Chicago Gas	125000	127500	130050	132651	135304.02
Data from Budget System					
Chicago Electric	451250	460275	469480.5	478870.11	488447.5122
Chicago Gas	118750	121125	123547.5	126018.45	128538.819
Final Adjustments - Board Retreat					
Chicago Electric	500000	500000	500000	500000	500000
Chicago Gas					
D:[Nonlabor]					
2016 - 2020 Base Plan					
Chicago Electric	250000	255000	260100	265302	270608.04
Chicago Gas	100000	102000	104040	106120.8	108243.216
Data from Budget System					
Chicago Electric	237500	242250	247095	252036.9	257077.638
Chicago Gas	95000	96900	98838	100814.76	102831.0552
Final Adjustments - Board Retreat					
Chicago Electric	250000	250000	250000	250000	250000
Chicago Gas					
E:[Benefits - Retired Medical]					
2016 - 2020 Base Plan					
Chicago Electric	125000	127500	130050	132651	135304.02
Chicago Gas	50000	51000	52020	53060.4	54121.608
Data from Budget System					
Chicago Electric	118750	121125	123547.5	126018.45	128538.819
Chicago Gas	47500	48450	49419	50407.38	51415.5276

Entity – Line - Case

O&M	Year	Year	Year	Year	Year
	2016	2017	2018	2019	2020
Chicago Electric					
C:[Labor]					
2016 - 2020 Base Plan	475000	484500	494190	504073.8	514155.276
Data from Budget System	451250	460275	469480.5	478870.11	488447.5122
Final Adjustments - Board Retreat	500000	500000	500000	500000	500000
D:[Nonlabor]					
2016 - 2020 Base Plan	250000	255000	260100	265302	270608.04
Data from Budget System	237500	242250	247095	252036.9	257077.638
Final Adjustments - Board Retreat	250000	250000	250000	250000	250000
E:[Benefits - Retired Medical]					
2016 - 2020 Base Plan	125000	127500	130050	132651	135304.02
Data from Budget System	118750	121125	123547.5	126018.45	128538.819
Final Adjustments - Board Retreat					
F:[Benefits - Active Employees]					
2016 - 2020 Base Plan	100000	102000	104040	106120.8	108243.216
Data from Budget System	95000	96900	98838	100814.76	102831.0552
Final Adjustments - Board Retreat					
Chicago Gas					
C:[Labor]					
2016 - 2020 Base Plan	125000	127500	130050	132651	135304.02
Data from Budget System	118750	121125	123547.5	126018.45	128538.819
Final Adjustments - Board Retreat					

Action Buttons

	? Help	Delete UIDEMO Temp Data	Delete Data	View Existing Data	Edit & Return	Edit & Close	Close	
- 18	· · · · ·							

The buttons at the bottom of the screen initiate the actions from the Time Data Dialog. Note that several of them are not activated until all a selection has been made from each category. The action buttons are:

- >>> Help opens the Help system
- » Delete Temp Data deletes all data from the users Temp Data case. See User Temp Data
- >>> Delete Data deletes data for the selections made. See Delete Data
- >>> View Existing Data displays the data for the selections made, but in a non-editable window See View Existing Data
- Edit & Return Launches the Excel editor for the selections made, and upon saving, returns to the Time Data Editor. See Edit in Excel.
- Edit & Close Launches the Excel editor for the selections made, and upon saving, closes the Time Data Editor.
 See Edit in Excel
- Close closes the Time Data dialog.

Edit in Excel

UIPlanner uses MS Excel as a data entry mechanism for the Time Data Editor. Once the desired dimensions have been selected, the Edit & Return or Edit & Close buttons will launch a dedicated session of Excel for viewing or editing the data. The user must have the UIPlanner Excel add-in installed.

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В	С	D	E	F	G	Н	1	J	К	L	Μ	N	0	Р
O&M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Year
	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2017	2018
C:[Labor]														
2016 - 2020 Base Plan														
Chicago Electric	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	484500	494190
Chicago Gas	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	127500	130050
Data from Budget System														
Chicago Electric	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	460275	469480.5
Chicago Gas	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	121125	123547.5
Final Adjustments - Board Retreat														
Chicago Electric	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	500000	500000
Chicago Gas														
D:[Nonlabor]														
2016 - 2020 Base Plan														
Chicago Electric	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	255000	260100
Chicago Gas	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	102000	104040
Data from Budget System														
Chicago Electric	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	242250	247095
Chicago Gas	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	96900	98838
Final Adjustments - Board Retreat														
Chicago Electric	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	250000	250000
Chicago Gas														
E:[Benefits - Retired Medical]														
2016 - 2020 Base Plan														
Chicago Electric	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	127500	130050
Chicago Gas	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	51000	52020
Data from Budget System														
Chicago Electric	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	121125	123547.5
Chicago Gas	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	48450	49419

Note that the window has highlighting to denote the ordering. In the above example, it is Case, Entity, and then Line. Cases are yellow, entities are grey, and lines are white. The window also has the month ended for each year in gold to help distinguish year end, for years by month. For non-calendar year clients, this shows the fiscal year end

Type, or copy, the desired data into the Excel template, or delete data as desired. Note that this is Excel, with full drag, drop, copy and paste functionality available. User can create formulas to calculate values, but these will not be saved. Only values are saved.

Cautionary notes:

Changing the Template

Do not modify the Excel Editor (change or delete rows, headers, etc.). It is only an input sheet. If the underlying structure of the Editor template is modified, the save back to the database will fail.

Data Only in Valid Cells

Only enter data in the appropriate rows and columns. Data input outside the valid areas will be ignored.

Numeric Data Only

Inputs must be numeric. Text data will not be saved. Users can build formulas, but only the result will be saved to the database.

Save Data to Database

To save the data back to the database, close the Excel Editor. If there have been changes to the data, the following dialog will appear.

JIPlanner Edit		x
Save data to Database?		
Yes	No	Cancel

To accept the changes, click Yes. Clicking No will close the Excel session and return to the Model. Clicking Cancel will leave Excel open, still with the changes made.

Preparing to Save Dialog

If the user selects Yes, it will bring up a final dialog box that will show all of the data rows changed. See below and note the data dimensions (case, report, line, entity and year). Users can review the data here or send it to Excel. To save the data, click Save. Otherwise, click Cancel.

16 - 20 08.M C 16 - 20 08.M C 16 - 20 08.M D ial Adju 08.M C ta from 08.M C	C:[Labor] C:[Labor] D:[Nonlabor] C:[Labor]	Chicago Electric Chicago Gas Chicago Gas Chicago Electric Chicago Electric	2016 2017 2016 2017	41,000 10,000 12,000 20,000	41,000 10,000 12,000	10,000	10,000				41,000	41,000	41,000			2016.07.03-10:51	UIDEMO
16 - 20 08.M C 16 - 20 08.M D nal Adju 08.M C ta from 08.M C	C:[Labor] D:[Nonlabor] C:[Labor]	Chicago Gas Chicago Electric	2016 2017	12,000				10,000	10,000	10.000	10.000						
16 - 20 0&M D Ial Adju 0&M C ta from 0&M C	D:[Nonlabor] C:[Labor]	Chicago Electric	2017		12,000	12.000					10,000	10,000	10,000	10,000	10,000	2016.07.03-10:03	UIDEMO
ta from 0&M C	C:[Labor]	-		20.000			12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	2016.07.03-10:51	UIDEMO
ta from O&M C		Chicago Electric		20/000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	2016.07.03-10:03	UIDEMO
			2017	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	2016.07.03-10:03	UIDEMO
	C:[Labor]	Chicago Gas	2017	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	2016.07.03-10:03	UIDEMO
16 - 20 O&M C	C:[Labor]	Chicago Electric	2017	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	2016.07.03-10:03	UIDEMO

Users can review the data here or send it to Excel by right clicking on the top bar. The Decimal Places to display allows the user to add precision to the dialog display. Note that the actual data being saved has double precision.

There is a User Preference to not show this dialog, and instead save directly to the database.

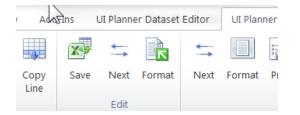
No Data Changed

If there have been no changes to the data, the user will be presented with the following confirmation dialog.

q	No save	X
No	o changed data.	*
		н
		-
		ОК

Excel Toolbar

When the Excel add-in is installed, the ribbon includes several action buttons related to the Time Data Editor. See below.



Save

The Save button closes the Excel session and saves the data to the database, without the Save to Database? dialog.

Next

The Next button scrolls the Excel window by the top level dimension (in yellow).

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Fi	le Home Insert Page Layout	Formulas	Data	Revie	w Vie	w Ad	ld-Ins	UI Planne	er Datase	t Editor	UI Plar	ner	
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	t Data Show Find Refresh Drilldown Rep						Save	Nex	S Format	Next	Format	Print	Shade
LOC	ation Aliases ID's Data to Source wi Pull Repo		and/or	UISets f	rom Exce	l Line		Edit				Rep	ort
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	В	C	D	F	F	G	Н	1	J	К	L	М	N
1	O&M	Jan	Feb	Mar	Apr	May	Jun	' Jul	Aug	Sep	Oct	Nov	Dec
2		2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016
13	D:[Nonlabor]												
14	2016 - 2020 Base Plan												
15	Chicago Electric	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
16	Chicago Gas	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500
17	Data from Budget System												
18	Chicago Electric	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
19	Chicago Gas	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500
20	Final Adjustments - Board Retreat												
21	Chicago Electric	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
22	Chicago Gas												
23	E:[Benefits - Retired Medical]												
24	2016 - 2020 Base Plan												
25	Chicago Electric	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
26	Chicago Gas	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
27	Data from Budget System												
28	Chicago Electric									10000			
29	Chicago Gas	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
30	Final Adjustments - Board Retreat												
31	Chicago Electric												
32	Chicago Gas												
33	F:[Benefits - Active Employees]		_	_	_	_	_	_	_	_	_		
34	2016 - 2020 Base Plan												
35	Chicago Electric	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000

Format

The Format button formats the data in the Excel window for printing.

Page Zoom Show Margins Speed	9-6-0	-				rsData	146756	31673:	12.txt -	Micros	soft Exc	el					
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Chicago Electric 8000 2000			0&M														
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Chicago Gas 2100 2100 2100 2100 2100 2100 2100 210				8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	2000	80.00	96900	00000
Final Adjustments - Board Retreat Chicago Electric																	
Chicago Electric										2200	LICO			LIUU		21220	2110510

Comments

Users can enter and store comments on any monthly cell (both reports and ledger actuals) by right-clicking and entering the comment text. Note that comments cannot be put on annual amounts. Comments are saved as attribute data, so the user needs to click 'Save'.

В	С	D	E
Property Tax	Jan	Feb	Mar
	2016	2016	2016
2016 - 2020 Base Plan			
Property Tax Accrual		UIDemo:	
Chicago Electric	12870.88657	orbenio:	557
Date Containing Accrual Amount To Be Paid (YYYYMM)		Includes add	ditional b
Chicago Electric		accrual	
		Canal and the second se	

See Browse Reports for information on how to display and report comments.

Spreading

Data in the UIP_TIME_DATA case is stored by Year and 12 months across. However, the user can choose to open the Excel Editor with all annual amounts, all monthly amounts or a mix of the two.

Select Time Period	
For annual dollars, divid	de by 12
Start Year:	2016 🚔
Years to Edit:	5 🗬
Years By Month:	1

UIPlanner needs to have rules to determine how the annual amounts are converted into monthly amounts for storing into the database. These rules are as follows.

- Even Spreading If the user selected only annual periods to edit, UIPlanner will follow the rules of the Annual to Month setting for for that line. If the line is defined as one if the various Amount types, it will divide by 12 to create the monthly values. If the line is defined as one of the two Percent types, it will put the same values in all months – for these types, the calculation engine does the conversion internally when the line is read..
- Patterned Spreading If the user selected a combination of monthly and annual periods, the template will take the pattern from the last monthly year and apply that to the annual ones. Note that the Time Data Dialog includes a check-

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mark for Option to Divide by 12. This option overrides the patterned spreading logic. So even if the data included a mix of monthly and annual numbers, annual amounts will be divided by 12.

Below are examples. The line labels denote the Annual to Month setting for the line.

Even Spreading

Below are the time settings – 3 years annually.

Training Report	Year	Year	Year
	2017	2018	2019
2014 - 2019 Base Plan			
Chicago Electric			
B:[Dollars (000) with Actuals]	120	240	360
C:[Dollars (000) without Actuals]	120	240	360
D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]	5	6	7
E:[Percent - same value for month or annual (e.g. Tax Rates)]	35	35	36

Below are the amounts to save to the database. Note that the Amount lines for B and C in all years are divided by 12. The Percent lines are the same value in each month.

Case	Qualifier 1	Qualifier 2	Qualifier 3	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct N	lov E	Dec
014 - 2019 Base Plan	Training Report	B:[Dollars (000) with Actuals]	Chicago Electric	2017	10	10	10	10	10	10	10	10	10	10	10	10
014 - 2019 Base Plan	Training Report	B:[Dollars (000) with Actuals]	Chicago Electric	2018	20	20	20	20	20	20	20	20	20	20	20	20
014 - 2019 Base Plan	Training Report	B:[Dollars (000) with Actuals]	Chicago Electric	2019	30	30	30	30	30	30	30	30	30	30	30	30
014 - 2019 Base Plan	Training Report	C:[Dollars (000) without Actuals]	Chicago Electric	2017	10	10	10	10	10	10	10	10	10	10	10	10
014 - 2019 Base Plan	Training Report	C:[Dollars (000) without Actuals]	Chicago Electric	2018	20	20	20	20	20	20	20	20	20	20	20	20
014 - 2019 Base Plan	Training Report	C:[Dollars (000) without Actuals]	Chicago Electric	2019	30	30	30	30	30	30	30	30	30	30	30	30
014 - 2019 Base Plan	Training Report	D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]	Chicago Electric	2017	5	5	5	5	5	5	5	5	5	5	5	5
014 - 2019 Base Plan	Training Report	D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]	Chicago Electric	2018	6	6	6	6	6	6	6	6	6	6	6	6
014 - 2019 Base Plan	Training Report	D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]	Chicago Electric	2019	7	7	7	7	7	7	7	7	7	7	7	7
014 - 2019 Base Plan	Training Report	E:[Percent - same value for month or annual (e.g. Tax Rates)]	Chicago Electric	2017	35	35	35					35	35		35	35
014 - 2019 Base Plan	Training Report	E:[Percent - same value for month or annual (e.g. Tax Rates)]	Chicago Electric	2018	35				35			35	35	35	35	35
014 - 2019 Base Plan	Training Report	E:[Percent - same value for month or annual (e.g. Tax Rates)]	Chicago Electric	2019	35	35	35	35	35	35	35	35	35	35	35	35

Patterned Spreading

Patterned spreading is when the user chooses to spread the annual data by month using patterns from the prior year. The example below has the following time settings - one year by month and 2 years annually.

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В	С	D	E	F	G	Н	I.	J	К	L	М	N	0	Р
Training Report		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Year
	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2017	2018
2014 - 2019 Base Plan														
Chicago Electric														
B:[Dollars (000) with Actuals]		200	300	100	200	300	100	200	300	100	200	300	24000	24000
C:[Dollars (000) without Actuals]		200	200	200	200	200	200	200	200	200	200	200	24000	24000
D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]		6	6	6	6	6	6	6	6	6	6	6	6	6
E:[Percent - same value for month or annual (e.g. Tax Rates)]	35	35	35	35	35	35	35	35	35	35	35	35	35	35

Below are the amounts to save to the database. Note that the Amount lines for B and C in 2017 and 2018 follow the pattern

for 2016, and the Percent lines are the same value in each month.

Case	Qualifier 1	Qualifier 2	Qualifier 3	Year	Jan F	eb	Mar	Apr N	/ay J	un Ju	I A	ug	Sep	Oct	Nov
2014 - 2019 Base Plan	Training Report	B:[Dollars (000) with Actuals]	Chicago Electric	2018	1,000	2,000	3,000	1,000	2,000	3,000	1,000	2,000	3,000	1,000	2,0
2014 - 2019 Base Plan	Training Report	B:[Dollars (000) with Actuals]	Chicago Electric	2017	1,000	2,000	3,000	1,000	2,000	3,000	1,000	2,000	3,000	1,000	
014 - 2019 Base Plan	Training Report	B:[Dollars (000) with Actuals]	Chicago Electric	2016	100	200	300	100	200	300	100	200	300	100	
2014 - 2019 Base Plan	Training Report	C:[Dollars (000) without Actuals]	Chicago Electric	2018	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,
2014 - 2019 Base Plan	Training Report	C:[Dollars (000) without Actuals]	Chicago Electric	2016	200	200	200	200	200	200	200	200	200	200	
2014 - 2019 Base Plan	Training Report	C:[Dollars (000) without Actuals]	Chicago Electric	2017	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,
014 - 2019 Base Plan	Training Report	D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]	Chicago Electric	2018	6	6	6	6	6	6	6	6	6	6	
014 - 2019 Base Plan	Training Report	D:[Percent - divided by 12 for monthly (e.g. Interest Rates)]	Chicago Electric	2016	6	6	6	6	6	6	6	6	6	6	
2014 - 2019 Base Plan	Training Report		Chicago Electric	2017	6	6	6	6	6	6	6	6	6	6	
2014 - 2019 Base Plan	Training Report	E:[Percent - same value for month or annual (e.g. Tax Rates)]		2018	35	35	35	35	35	35	35	35	35	35	
014 - 2019 Base Plan	Training Report	E:[Percent - same value for month or annual (e.g. Tax Rates)]	Chicago Electric	2016	35	35	35	35	35	35	35	35	35	35	
2014 - 2019 Base Plan	Training Report	E:[Percent - same value for month or annual (e.g. Tax Rates)]	Chicago Electric	2017	35	35	35	35	35	35	35	35	35	35	
•			111												
Decimal places to Display:												Save	Cance		

View Existing Data

Case	Qualifier 1	Qualifier 2	Qualifier 3	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Date	User ID
2016 - 2020 Base Plan	08M	D:[Nonlabor]	Chicago Electric	2019	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	22,108	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	08M	C:[Labor]	Chicago Gas	2017	10,625	10,625	10,625	10,625	10,625	10,625	10,625	10,625	10,625	10,625	10,625	10,625	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	08M	D:[Nonlabor]	Chicago Gas	2016	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	2016.07.03-10:51	UIDEMO
2016 - 2020 Base Plan	08M	D:[Nonlabor]	Chicago Electric	2020	22,551	22,551	22,551	22,551	22,551	22,551	22,551	22,551	22,551	22,551	22,551	22,551	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Electric	2016	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	2016.07.03-10:51	UIDEMO
2016 - 2020 Base Plan	08.M	C:[Labor]	Chicago Gas	2019	11,054	11,054	11,054	11,054	11,054	11,054	11,054	11,054	11,054	11,054	11,054	11,054	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Gas	2018	10,838	10,838	10,838	10,838	10,838	10,838	10,838	10,838	10,838	10,838	10,838	10,838	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	08.M	D:[Nonlabor]	Chicago Gas	2017	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	D:[Nonlabor]	Chicago Electric	2016	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	2016.07.03-10:51	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Electric	2020	42,846	42,846	42,846	42,846	42,846	42,846	42,846	42,846	42,846	42,846	42,846	42,846	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Gas	2016	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	2016.07.03-10:51	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Electric	2017	40,375	40,375	40,375	40,375	40,375	40,375	40,375	40,375	40,375	40,375	40,375	40,375	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	08.M	C:[Labor]	Chicago Electric	2019	42,006	42,006	42,006	42,006	42,006	42,006	42,006	42,006	42,006	42,006	42,006	42,006	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	D:[Nonlabor]	Chicago Electric	2017	21,250	21,250	21,250	21,250	21,250	21,250	21,250	21,250	21,250	21,250	21,250	21,250	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	D:[Nonlabor]	Chicago Gas	2018	8,670	8,670	8,670	8,670	8,670	8,670	8,670	8,670	8,670	8,670	8,670	8,670	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	08M	D:[Nonlabor]	Chicago Electric	2018	21,675	21,675	21,675	21,675	21,675	21,675	21,675	21,675	21,675	21,675	21,675	21,675	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	D:[Nonlabor]	Chicago Gas	2019	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Gas	2020	11,275	11,275	11,275	11,275	11,275	11,275	11,275	11,275	11,275	11,275	11,275	11,275	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	C:[Labor]	Chicago Electric	2018	41,182	41,182	41,182	41,182	41,182	41,182	41,182	41,182	41,182	41,182	41,182	41,182	2016.07.03-10:03	UIDEMO
2016 - 2020 Base Plan	0&M	D:[Nonlabor]	Chicago Gas	2020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	9,020	2016.07.03-10:03	UIDEMO
Data from Budget System	0&M	D:[Nonlabor]	Chicago Electric	2022	235	252	244	261	252	271	261	279	270	295	279	308	2012.04.27-17:10	I2:-173776582
Data from Budget System	08M	D:[Nonlabor]	Chicago Electric	2020	21,423	21,423	21,423	21,423	21,423	21,423	21,423	21,423	21,423	21,423	21,423	21,423	2016.07.03-10:03	UIDEMO
Data from Budget System	0&M	C:[Labor]	Chicago Electric	2018	39,123	39,123	39,123	39,123	39,123	39,123	39,123	39,123	39,123	39,123	39,123	39,123	2016.07.03-10:03	UIDEMO
Data from Budget System	0&M	C:[Labor]	Chicago Electric	2016	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	39,000	2016.07.03-11:21	UIDEMO
Data from Budget System	0&M	D:[Nonlabor]	Chicago Gas	2020	8,569	8,569	8,569	8,569	8,569	8,569	8,569	8,569	8,569	8,569	8,569	8,569	2016.07.03-10:03	UIDEMO
Data from Budget System	0&M	D:[Nonlabor]	Chicago Electric	2017	20,188	20,188	20,188	20,188	20,188	20,188	20,188	20,188	20,188	20,188	20,188	20,188	2016.07.03-10:03	UIDEMO
Data from Budget System	08M	C:[Labor]	Chicago Electric	2019	39,906	39,906	39,906	39,906	39,906	39,906	39,906	39,906	39,906	39,906	39,906	39,906	2016.07.03-10:03	UIDEMO
Data from Budget System	0&M	D:[Nonlabor]	Chicago Electric	2016	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	2016.07.03-10:51	UIDEMO

When the View Existing Data button is selected, it brings up a dialog that displays all rows in the database that meet the criteria. Note that the screen only displays data with non-zero rows. It is more concise than the Excel template which shows all combinations, whether they have data or not.

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Note that this screen actually shows how the data is stored in the underlying UIPlanner UIP_TIME DATA table, with the Case, and Qualifiers 1-3. Time data is stored by year, with 12 months across.

Like most data dialogs in UIPlanner, this screen can also be exported to Excel by right-clicking on the header. The user can also set the number of decimal places to display, using the drop-down box.

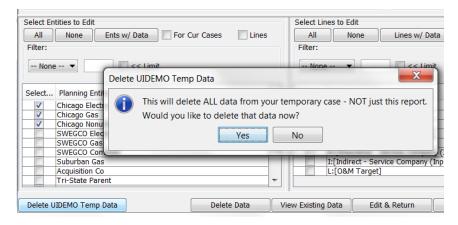
User Temp Data Case

The list of Time Data cases in the case list also includes the User Temp Data case (if it has been enabled in Planner Properties). The User Temp Data case is always the last case above the Actuals case.

Delete User Temp Data

Since the data in the User Temp Data Case can be in any report or account node, there is a button on the Time Data Editor that allows the user to delete all data in this case, across all reports or accounts. This is important for users to ensure that there is not stray data from a previous 'what-if'. Otherwise, to ensure the case was empty, the user would need to go to the Rapid Data finder, and find all data in that case and then go to each report to delete the data.

To clean out the Temp Data case from the Time Data Editor, hit the Delete User Temp Data Button, and choose Yes on the dialog.



The system will confirm the deletion and indicate how many rows of data were deleted.

Velete UIDEMO Temp Data	×
15 rows deleted.	
	ОК

Note that this will only clear out the current user's Temp Data Case. A user cannot delete another user's temp data case.

Ledger - Input Actuals

elect Cases to Edit					Select Time Period					
All None Cases w/ D	ta 📄 For Cur Ents 📄 Acts	Orde	er: Case-Enti	/-Account 💌	For annual dollars, divide by 12					
elected Case				Start Year:						
🖸 🖸 2016 - 2020 Bas	Plan				Years By Month:		2			
O Demonstrate Mo	el Concepts				One period:					
O Data from Budge	System				Excel format:	General				
O UIDEMO Temp D										
Actuals From Le	ger				Revenue	Expense				
					Asset	Liability				
					Cash-Direct	Cash-Inc	direct			
					Input monthly targe	et 📃 Input es	calation amount			
Iter:	s w/ Data For Cur Cases	Acts	Filter	Accounts to Edi None	Acts w/ Data	For Cur Cases	Ents			
All None En Iter: - None Planning Entity		Acts	Al Filter N	None	Acts w/ Data	5how In Alpha Order				
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All None En ter:	: Limit		A Filter	None	Acts w/ Data A	Show In Alpha Order Ivable. le. or uncollectible accou n associated compan	intsCr.			

The Input Actuals dialog is a variant of the Edit Time Data dialog used for viewing or editing Account level data. This dialog operates similarly to the Report Time Data dialog, with several differences:

- There is no dropdown for selecting a report.
- >>> There are checkboxes for filtering the account categories to select.
- » xThe additional checkboxes for Inputs or Show Line Reference in Excel, etc. are not applicable.

Typically, Account level data is only populated in the Actuals periods (from the G/L), and forecast periods are generated from postings. However, for Pure Input subs, forecast Account data is input data.

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Note also that even if the Actuals periods are populated from a B2 Rule Set using the Transfer Dataset to Planning Ledger task function, the data is still accessible through the Time Data Editor.

Account Selectors

The Input Actuals variant allows the user to filter the account list by top account node (Revenue, Expense, Asset, Liability etc.), or to accounts tagged to use Targeting.

Account Nodes

The Input Actuals dialog has a series of checkboxes that allow the user to filter the Account list by the top nodes of the Ledger tree – Revenue, Expense, Asset, Liability, Cash – Direct and Cash – Indirect. See below:

		Conteren							
	Revenue	Expense							
	Asset	Liability							
	Cash-Direct	Cash-Indirect							
	Input monthly target	Input escalation	amount						
Select Ac	counts to Edit								
All	None Acts w/ Data	For Cur Cases	Ents						
Filter:									
None	e 🔻 🗌 << Limit 🗌 Show In Alg	ha Order							
Select	Account								
V	142.0 142.0 Customer accounts receivable.								
v	143.0 143.0 Other accounts receivable.								
V	144.0 144.0 Accumulated provision for uncollect	ible accountsCr.							
1	146.0 146.0 Accounts receivable from associate								
1	131.0 131.0 Cash.								
1	132.0 132.0 Interest special deposits.								
1	133.0 133.0 Dividend special deposits.								
V	134.0 134.0 Other special deposits.								
1	135.0 135.0 Working funds.								
1	151.0 151.0 Fuel stock.								
1	152.0 152.0 Fuel stock expenses undistributed.								
1	153.0 153.0 Residuals and extracted products.								
1	158.1 158.1 Allowance inventory.								
-	158.2 158.2 Allowances withheld.		-						

Input Targets/Input Escalation

These checkboxes will filter the account list to any accounts that have been tagged to use targeting. These checkboxes further filter the accounts selected via the Account Node filters.

Account Targeting – these two accounts have been configured to use Input Monthly Targets.

	Revenue	Expense										
	Asset	🔽 Liability										
	Cash-Direct	Cash-Indirect										
	Input monthly target	Input escalation amount										
	1											
Select Accounts to Edit	v											
All None	II None Acts w/ Data For Cur Cases Ents											
Filter:	ilter:											
None												
Select Account												
V 142.0 142.0 Custo	mer accounts receivable.											
232.0 Accounts Paya	ble											

Input Escalation Amounts – this account is configured to use targeting using an escalation rate.

	Revenue	Expense
	✓ Asset	📝 Liability
	Cash-Direct	Cash-Indirect
	Input monthly target	Input escalation amount
Select Accounts to Edit All None Filter:	Acts w/ Data	ir Cases 🔲 Ents
None 🔻	<< Limit 📃 Show In Alpha Orde	r
Select Account		
V 154.0 154.0 Plant mat	terials and operating supplies.	

Alpha Order

Note that the accounts in the list (filtered or unfiltered) will by default show in Scenario (Ledger) order. They can be

switched to Alpha order using the Show in Alpha Order checkbox.

	Revenue Expense	
	Asset 🔽 Liability	
	Cash-Direct Cash-Indirect	
	Input monthly target	
	Accounts to Edit	
	VI None Acts w/ Data For Cur Cases Ents	
Filter:	III None Acts w/ Data For Cur Cases Erits	
Filler.		
Nor	ne 🔻	
Select	. Account	
1	101.0 Plant In Service	
1	101.1 101.1 Property Under Capital Leases	Ξ
1	102.0 102.0 Plant purchased or sold.	
1	103.0 103.0 Experimental plant unclassified.	
1	104.0 104.0 Plant leased to others.	
1	105.0 105.0 Plant held for future use.	
1	105.1 105.1 Production properties held for future use.	
1	106.0 106.0 Completed construction not classified	
1	107.0 107.0 CWIP	
		_
1	108.0 108.0 Accumulated Depreciation	

Two Dimensional Reports

For two dimensional reports, the Time Data Editor has an additional Entity selector. All other functionality is the same as the 1-D Time Data Editor. Note that the Assisted Selection is only available for the Primary Entity Group. See below.

Select Cases to Edit Start Year: All None Cases w/ Data For Cur Ents Lines Order: Case-Entity-Line Years to Edit: Selected Case Order: Case-Entity-Line Years to Edit: Years to Edit: Years to Edit: Selected Case Order: Case-Entity-Line Years to Edit: Years to Edit: Years to Edit: Order: Order: Case None Outo Enton Budget System Only: © Duto from Budget System Only: © Duto formation Only: © Duto formation Outo Enton Budget System Outo Enton Budget System Only: © Duto formation Only: © Duto formation Select Entities to Edit All: None Filter: Select Lentities to Edit All: None Filter: None Causition Co Init Select Department Select Line Select Planing Entity Select Department Select Line Select Line V None Suburban Gas Situation Station Operations Bane Suburban Gas Situation Maintenance Situation Maintenance Discustration SwteCCO Gas Thistae Elim Situation Maintenance Situation Maintenance	Order: Case-Entity-Line Conder: Case-Entity-Line Order: Case-Entity-Line Years to Edit: Years by Month: O@ One period: Image: Case-Entity-Line Vears by Month: O@ One period: Image: Case-Entity-Line Vears by Month: O@ One period: Image: Case-Entity-Line Ities to Edit Select Lines to Edit ne All None Ities to Edit Select Line Ities to Edit Select Line Ities to Case-Entity-Line Image: Case-Entity-Line Ities to Case-Entity-Line Image: Case-Entity-Line Ities to Case-Entity-Line Image: Case-Case-Entity-Line Ities to Case-Entity-Line Image: Case-Case-Case-Case-Case-Case-Case-Case-	Select Report to Edit	Select Time Period
All None Case w/ Data For Cur Ents Lines Order: Case-Entity-Line Years to Edit: Selected Case 2016 - 2020 Base Plan One period: Excel format: One period: © Dota from Budget System Only: Dubta from Budget System Only: Inputs © UDEMO Temp Data	Order: Case-Entity-Line Years to Edit: 5 Years by Month: 0 One period: • Excel format: • Only: Inputs • for Dollars (000) with Actuals • Show Line Reference in Excel • Ities to Edit • None Lines w/ Data For Cutrastic (00) with Actuals • Show Line Reference in Excel • Ities to Edit • ne • • <	O&M by Department	For annual dollars, divide by 12
Selected Case Years By Month: One period: Demonstrate Model Concepts Demonstrate Model Concepts Out Data from Budget System Only: Dputs Out Data from Budget System Only: Dputs Out DEMO Temp Data	Years By Month: 0 One period: • Excel format: • Only: Inputs For Dollars (000) with Actual Inputs • only: Inputs onlone Inputs	Select Cases to Edit	Start Year: 2016
	Years By Month: 0 One period: • Excel format: • Only: Inputs • For Dollars (DO0) with Actuals > Actual Inputs • For Dollars (DO0) with Actuals > Show Line Reference in Excel Ities to Edit Select Lines to Edit ne Image: Select Lines to Edit Ities to Edit Select. Department Image: Select Line Di2-Ferench Station Operations Select Line 301-French Station Maintenance Benefits - Retired Medical 302-French Station Maintenance Indirect - Service Company Siz-Transmission Operations Indirect - Service Company Size Transmission Operations Indirect - Service Company Size Transmission Operations Indirect - Service Company	All None Cases w/ Data For Cur Ents Lines Order: Case-Entity-Line 🔻	
	One period:	Selected Case	
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All None Ents w/ Data V For Cur Cases Lines All None Filter: Image: Select Planning Entity Filter: Select Planning Entity Select Department Select Une Chicago Electric V 101-CEO V 101-CEO Chicago Cas V 101-CEO V 100-REO Chicago Cas V 101-CEO V 100-REO Prairie Gen 302-French Station Operation Benef SWEGCO Common 352-James Station Operation Benef SWEGCO Gas 402-Holland Station Maintenance Indire Th-State Elim S02-Transmission Maintenance Indire SWEGCO Gas 402-Holland Station Operations Indire UI Energy Elim S02-Transmission Maintenance 600-Customer Support	ne All None Lines w/ Data For Cur Cases Ents Image: Comparison of the second state of		Show Line Reference in Excel
All None Ents w/ Data V For Cur Cases Lines All None Filter: Image: Select Planning Entity Filter: Select Planning Entity Select Department Select Une Chicago Electric V 101-CEO V 101-CEO Chicago Cas V 101-CEO V 100-REO Chicago Cas V 101-CEO V 100-REO Prairie Gen 302-French Station Operation Benef SWEGCO Common 352-James Station Operation Benef SWEGCO Gas 402-Holland Station Maintenance Indire Th-State Elim S02-Transmission Maintenance Indire SWEGCO Gas 402-Holland Station Operations Indire UI Energy Elim S02-Transmission Maintenance 600-Customer Support	ne All None Lines w/ Data For Cur Cases Ents Image: Comparison of the second state of	Select Entities to Edit Select Entities to Edit	Select Lines to Edit
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• None • • < Limit	Department Department Di1-CEO Di2-Finance Di2-Finance Di3-French Station Operations Di3-French Station Operation Di3-Finance Station Maintenance Di-I-Ioliand Station Maintenance Di-I-Ioliand Station Maintenance Di2-Transmission Operations Di2-Transmission Di2-Transmission Di2-Transmission Di2-Transmission Di2-Transmission Di2-Transmissi		
Select Planning Entity Select Department Select Une Acquisition Co IDI-CEO ULabor Chicago Electric IDI-CEO IDI-CEO Chicago Isectric IDI-CEO IDI-CEO Chicago Cas IDI-French Station Operations IDI-French Station Operations IDI-French Station Maintenance SwbeCo Common SS2-James Station Operations IDI-Trasmission Maintenance IDI-Trasmission Operations SwbECO Colectric IDI-Trasmission Operations IDI-Trasmission Operations Indire Tri-State Furm SO2-Transmission Operations IDI-Trasmission Operations IDI-Trasmission Operations UI Energy Elim GO2-Customer Support GO2-Customer Support IDI-Trasmission Maintenance	101-CEO Image: Cell State Cell		None V
Image: Chicago Electric Image: 22-Finance Image: 22-Finance Image: 22-Finance Image: Chicago Gas Image: 201-Generation Planning Image: 201-Generation Planning Image: 201-Generation Planning Image: Chicago Nonutility Image: 201-French Station Operations Image: 201-French Station Operations Image: 201-French Station Maintenance Image: Suburban Gas Image: 201-French Station Operations Image: 201-French Station Maintenance Image: 201-French Station Maintenance Image: SWEGCO Common Image: 201-French Station Maintenance Image: 201-French Station Maintenance Image: 201-French Station Maintenance Image: SWEGCO Common Image: 201-French Station Maintenance Image: 201-French Station Maintenance Image: 201-French Station Maintenance Image: SWEGCO Gas Image: 201-French Station Operations Image: 201-French Station Maintenance Image: 201-French Station Maintenance Image: SWEGCO Gas Image: 201-French Station Operations Image: 201-French Station Operations Image: 201-French Station Maintenance Image: Thirt-State Elim Image: 201-French Station Operations Image: 201-French Station Operations Image: 201-French Station Operations Image: Thirt-State Elim Image: 201-French Station Operations Image: 201-French Station Operations Image: 201-French Station Operatio	122-Finance Nonlabor 201-Generation Planning Benefits - Active Employees 301-French Station Operations Benefits - Active Employees 351-James Station Maintenance Benefits - Pension 352-James Station Maintenance 402-Holland Station Operations 501-Transmission Operations 501-Transmission Operations 600-Customer Support 601-Gas Distribution Operations	Select Planning Entity Select Department	Select Line
Image: Chicago Gas Image: Ch	2013-Generation Planning Benefits - Retired Medical 2013-French Station Maintenance Benefits - Active Employees 351-James Station Operations Benefits - Pension 352-ames Station Maintenance Indirect - Service Company 402-Holland Station Maintenance Indirect - Service Company 501-Transmission Operations Souther Support 601-Casto mer Support V	Acquisition Co	Labor
Chicago Honutility 301-French Station Operations Benel Prairie Gen 302-French Station Mointenance Benel Suburban Gas E 351-James Station Mointenance Insur SWEGCO Common 352-James Station Mointenance Insur SWEGCO Common 352-James Station Mointenance Indire SWEGCO Cost 402-Holland Station Operations Indire Tri-State Elim 502-Transmission Operations 600-Customer Support UI Energy Elim 600-Customer Support E	301-French Station Operations Benefits - Active Employees 302-French Station Maintenance Benefits - Pension 351-James Station Operation Insurance - Service Company 352-James Station Maintenance Indirect - Service Company 401-Holland Station Maintenance Indirect - Service Company 501-Transmission Maintenance Engle Service Company 600-Customer Support Engle Service Company	Chicago Electric I22-Finance	Nonlabor
Praine Gen 302-French Station Maintenance Image: Constraint of the station operation Suburban Gas 351-James Station Operation Image: Constraint operation SWEGCO Common 352-James Station Maintenance Image: Constraint operation SWEGCO Cletcric 401-Holland Station Operations Image: Constraint operations Tri-State Film 502-Transmission Maintenance S02-Transmission Operations UI Energy Elim 600-Customer Support Full	302-French Station Maintenance 351-James Station Operation 352-James Station Operations 402-Holland Station Operations 501-Transmission Operations 600-Customer Support 601-Gas Distribution Operations		Benefits - Retired Medical
Name Control Suburban Gas Statistical Department Name Catalog Image: Control SWEGCO Common Statistical Department Image: Control Image: Control SWEGCO Cas 401-Holland Station Maintenance Image: Control Tri-State Parent S01-Transmission Maintenance Image: Control Ut Energy Elim 600-Coustomer Support Image: Control	351-James Station Operation 352-James Station Maintenance 401-Holland Station Operations 502-Holland Station Maintenance 502-Transmission Operations 502-Transmission Operations 502-Clastomer Support 601-Gas Distribution Operations Construction Support Construction Support Const		Benefits - Active Employees
SWEECC Common SIX-2miles Station Maintenance Indire SWEECC Common SIX-2miles Station Maintenance Indire SWEECC Gas 402-Holland Station Operations Indire Tri-State Elim 502-Transmission Maintenance S02-Transmission Maintenance Ut Energy Elim 600-Customer Support	332-James Station Maintenance 401-Holland Station Operations 402-Holland Station Maintenance 501-Transmission Operations 600-Customer Support 601-Gas Distribution Operations		
SWEECC Electric SA2 Joines studion maintendance Joine SWEECC Electric SA2 Joines studion maintendance Joine SWEECC Electric 401-Holland Station Operations Joine Tri-State Elim 501-Transmission Operations S02-Transmission Operations UI Energy Elim 600-Customer Support	401-Holland Station Operations 402-Holland Station Maintenance 501-Transmission Deprations 502-Transmission Maintenance 600-Customer Support 601-Gas Distribution Operations		
SWEGCO Gas 402-Holland Station Maintenance Tri-State Elim 501-Transmission Operations Tri-State Parent 502-Transmission Maintenance UL Energy Elim 600-Customer Support	402-Holland Station Maintenance 501-Transmission Operations 502-Transmission Maintenance 600-Customer Support 601-Gas Distribution Operations	Swedco common	Indirect - Service Company
Tri-State Elim 501-Transmission Operations Tri-State Parent 502-Transmission Maintenance UI Energy Elim 600-Customer Support	501-Transmission Operations 502-Transmission Maintenance 600-Customer Support 601-Gas Distribution Operations		
Tri-State Parent 502-Transmission Maintenance UI Energy Elim 600-Customer Support	502-Transmission Maintenance 600-Customer Support 601-Gas Distribution Operations	Swedeo das	
UI Energy Elim 600-Customer Support	600-Customer Support		
	601-Gas Distribution Operations		
	1		
UI Energy Parent	day to a disc.	UI Energy Parent 601-Gas Distribution Operations	

Below is the Excel Editor.

O&M by Department	Year	Year	Year	Year	Year
	2016	2017	2018	2019	2020
Data from Budget System					
Chicago Electric					
101-CEO					
Labor	12000	12000	12000	12000	12000
Nonlabor	2400	2400	2400	2400	2400
122-Finance					
Labor	3600	3600	3600	3600	3600
Nonlabor	450	450	450	450	450
201-Generation Planning					
Labor	3600	3600	3600	3600	3600
Nonlabor	1200	1200	1200	1200	1200
301-French Station Operations					
Labor	3600	3600	3600	3600	3600
Nonlabor	1200	1200	1200	1200	1200

Limit to entity pairs selected for calculation

If this checkbox is checked, the entity selections will be determined by the settings in the Limit Entities to Run for the chosen report. In the example below, the Limit Entities to Run has been set to not run the Gen Stations for Chicago Gas, and not to run Gas Distribution for Chicago Electric. Note that even though all Departments are checked, with the Limit Entity Pairs checkbox, the Excel Editor customizes the pairs.

Limit Entities to Run

Select Entity Pairs to Run - the default for 2	2-D reports is t	to NOT run pa	iirs unless sele	cted.								
Select Report												-
O&M by Department												
Options for 2-d Report O&M by Department Entity Option 1: Set dynamically during run where Time- Note: If you use this option, you should erase the Select Option for dynamically processing combina	data exists for E checks below to	ntity or pairs			Copy entitie	es/equity pairs fr	om:					
Use check box selections					•] [O do no	ot cing						
Option 2: Set switches for entity pairs by finding et	Select Repo			t ▼ Select Lin have any data f		set switch. Dat	▼ a may be on an	associated repo	ort.	Select Case:	Show Win	ine
Entity	Check/Unch	101-CEO	122-Finance	201-Genera	301-French	302-French	351-James	352-James	401-Holland	402-Holland	501-Trans	5
Check/Uncheck All												Γ
Acquisition Co												Γ
Chicago Electric		v	v	v	v	v					v	Γ
Chicago Gas		V	v									

Time Data dialog

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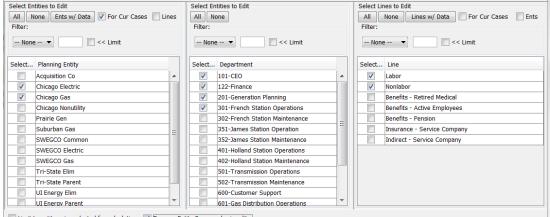
 Edit Time Data - O&M by Department 		at Your Database - Microsoft Micro					
Select Report to Edit		Select Time Period					
O&M by Department	•	For annual dollars, divide by 12					
Select Cases to Edit		Start Year: 2016					
	Lines Order: Case-Entity-Line 🔻	2010					
	Years to Edit: 5 Years By Month: 0						
	Selected Case						
	© 2016 - 2020 Base Plan						
O Demonstrate Model Concepts O Data from Budget System		Excel format: General					
O Data from Budget System O UIDEMO Temp Data		Only: 🗹 Inputs 🔲 Forecast Inputs 📄 Actual Inputs					
O Actuals From Ledger		a- for Dollars (000) with Actuals					
	Show Line Reference in Excel						
Select Entities to Edit	Select Entities to Edit	Select Lines to Edit					
All None Ents w/ Data For Cur Cases Lines	All None	All None Lines w/ Data For Cur Cases En					
Filter:	Filter:	Filter:					
None 💌	None 💌	None 🔻					
Hone -	Hone I						
Select Planning Entity	Select Department	Select Line					
Acquisition Co	▼ 101-CEO	▲ Labor					
Chicago Electric	✓ 122-Finance	▼ Nonlabor					
Chicago Gas	201-Generation Planning	Benefits - Retired Medical					
Chicago Nonutility	301-French Station Operations	Benefits - Active Employees					
Prairie Gen	302-French Station Maintenance	Benefits - Pension					
Suburban Gas	351-James Station Operation	Insurance - Service Company					
SWEGCO Common	352-James Station Maintenance	Indirect - Service Company					

Excel Editor

O&M by Department	Year			
	2046	Year	Year	Year
404.050	2016	2017	2018	2019
101-CEO				
Labor		12000	12000	
Nonlabor	2400	2400	2400	2400
122-Finance				
Labor	3600	3600	3600	3600
Nonlabor	450	450	450	450
201-Generation Planning				
Labor	3600	3600	3600	3600
Nonlabor	1200	1200	1200	1200
301-French Station Operations				
Labor	3600	3600	3600	3600
Nonlabor	1200	1200	1200	1200
302-French Station Maintenance				
Labor				
Nonlabor				
Chicago Gas				
101-CEO				
Labor	1200	1200	1200	1200
Nonlabor	600	600	600	600
122-Finance				
Labor	1200	1200	1200	1200
Nonlabor	2400	2400	2400	2400
600-Customer Support				
Labor	1000	1000	1000	1000
Nonlabor	250	250	250	250
601-Gas Distribution Operations				
Labor	1580	1580	1580	1580
Nonlabor	1500	150	150	150

Reverse Entity Group order in Editor.

If this checkbox is checked, the two entity groups will be reversed in the Excel Editor – not that the dialog does not change. Compare this with the screen print above.



Elimit to entity pairs selected for calculation

В	С	D	E	F	G
O&M by Department	Year	Year	Year	Year	Year
	2016	2017	2018	2019	2020
Data from Budget System					
101-CEO					
Chicago Electric					
Labor	12000	12000	12000	12000	12000
Nonlabor	2400	2400	2400	2400	2400
Chicago Gas					
Labor	1200	1200	1200	1200	1200
Nonlabor	600	600	600	600	600
122-Finance					
Chicago Electric					
Labor	3600	3600	3600	3600	3600
Nonlabor	450	450	450	450	450
Chicago Gas					
Labor	1200	1200	1200	1200	1200
Nonlabor	2400	2400	2400	2400	2400

Delete Data

The Delete Data button allows the user to erase one period of data, after the Cases, Entities, and Lines have been selected. The most common use of this is to delete all Actuals for a given YYYYMM. To erase multiple periods of data, use the regular Time Data Editor functionality - see above.

The Delete Data button brings up a droplist to select the period to delete. In order to prevent accidental deletes, the user will be prompted to confirm the deletion by entering a specified number. See below.

Edit Time Data - Accounts					×
Select Cases to Edit			Select Time Period		
All None Cases w/ Data For C	Cur Ents 🔲 Acts Order: 🕻	Case-Entity-Account 💌	For annual dollars,	divide by 12	
Selected Case			Start Year:		2016 🌲
O 2016 - 2020 Base Plan			Years By Month:		2 🌲
Demonstrate Model Concepts			One period:	12/2015	
Data from Budget System			Excel format:		•
UIDEMO Temp Data				General	•
Actuals From Ledger			Revenue	Expense	
			Asset	Liability	
			Cash-Direct	Cash-Indirect	
			Input monthly targe	et 📃 Input escalation am	ount
Select Entities to Edit			Select Accounts to Edit		
All None Ents v	Delete Existing Pata for Period	0.48	(d). (den). ++	For Cur Cases	Ents
None Select Planning Entity	Enter this value to confirm delete: 37: Data will be deleted for 12/2015 (rec	ords with year 2015 col	umn 12)	: Limit	_
Acquisition Co				accounts receivable.	-
Chicago Electric		Delete Cancel		unts receivable.	=
Chicago Gas				d provision for uncoll	
Chicago Nonutility				Accounts receivable from associa	ite
Prairie Gen			131.0 131.0		_
Suburban Gas				Interest special deposits.	_
SWEGCO Common				Dividend special deposits.	_
SWEGCO Electric				Other special deposits.	_
SWEGCO Gas				Working funds.	_
Tri-State Elim			151.0 151.0		_
Tri-State Parent				Fuel stock expenses undistribute	
UI Energy Elim				Residuals and extracted products	à.
UI Energy Parent				Allowance inventory.	_
UI Services		*	158.2 158.2	Allowances withheld.	-

User Preferences

There are several User Preferences related to the Edit Time Data screen.

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Preference Manager System Behavior Output Options Delete/Copy Preferences	
Define My System Behavior	
V Do NOT show data from time-dependent editor - just save.	✓ On time-dependent editor store selected entities to edit by report NOT globally.
Suppress security messages when editing.	Create Ledger run-time reports.
Write allocation txt files	Run Sequences: Use Selectors & Single Panel
Multidimensional Calculations: split screen top & bottom, not side by side	Pivot Reporting: Full Screen Width Controls (low resolution)
Show Drilldown in actuals periods for Excel Reports	Popup Description on Sequences
Only show Reports that have been run on Browse Report screen.	Remember last selection on posting screen.
Suppress 'OK to Close?' when closing system.	Show data change alerts on-the-fly.
For new lines, set to Dollars WITHOUT Actuals (default is WITH)	'Locked' text on locked cases trails case name
Line-by-Entity: Zero Suppress by line	Suppress Drill-down for compare scenarios
Display Default Code in Entity Names	When drill from Model to Pivot Report show all periods and all entities.
Suppress 'High-Level Rollup' notice when opening Budget Grid.	Log Performance & Memory Statistics
Hide close-tab 'X'-buttons.	Refresh objects after DSEE upload.
Alert me on Successful File->Save.	Use user preference for sequence set for scenario
Report Comments on Inputs	8 < << Number of items to show on drop-downs
Enable formatting of 'special' lines on calculation editor	<< Row Height for tables
Run Model at start-up	On time-dependent editor, limit entities to those processed (the blue dot)
Show Log Console	When only one batch visible on Browse Reports, do not output other batches
	itional User Preference Settings
	Define Attribute Formatting for Excel Editing Assign Keyboard Shortcuts to Menu Items
Browse Reports Colors Current Report Recent Reports	
Current Report	
	() Ok

Do NOT show data from Time Dependent Editor - just save

If this checkbox is enabled, when the user closes Excel and chooses Save to Database, they will not be presented with the additional confirmation dialog that shows the rows about to be saved.

Case	Qualifier 1	Qualifier 2	Qualifier 3	Year	Jan	Feb	Mar	Apr 15	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Date	User ID
2016 - 20	0&M	C:[Labor]	Chicago Electric	2016	41,000	41,000	41,000	41,00	41,000	41,000	41,000	41,000	41,000	41,000	41,000	41,000	2016.07.03-10:51	UIDEMO
2016 - 20	0&M	C:[Labor]	Chicago Gas	2017	10,000	10,000	10,000	10,00	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	2016.07.03-10:03	UIDEMO
2016 - 20	0&M	C:[Labor]	Chicago Gas	2016	12,000	12,000	12,000	12,00	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	2016.07.03-10:51	UIDEMO
2016 - 20	O&M	D:[Nonlabor]	Chicago Electric	2017	20,000	20,000	20,000	20,00	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	2016.07.03-10:03	UIDEMO
inal Adju	O&M	C:[Labor]	Chicago Electric	2017	4,000	4,000	4,000	4,00	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	2016.07.03-10:03	UIDEMO
Data from	O&M	C:[Labor]	Chicago Gas	2017	10,000	10,000	10,000	10,00	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	2016.07.03-10:03	UIDEMO
2016 - 20	O&M	C:[Labor]	Chicago Electric	2017	40,000	40,000	40,000	40,00	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	2016.07.03-10:03	UIDEMO
									laces to Displa								Save	Cano

On Time Dependent Editor store selected entities to Edit by Report NOT globally

The default setting for the Time Data Editor is to store the entity selections globally. For example, if the user selected certain Planning Entities on one report, those same entities would be preselected on all other reports by Planning Entity. If this

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checkbox is selected, the entities checked will be stored report by report. So the user could select one set of entities for a report and a different set for other reports, and these would be saved. See below:

 Edit Time Data - Journal Entry
Select Report to Edit
Journal Entry
Select Cases to Edit All None Cases w/ Data For Cur Ents Lines Order: Case-Entity-Line Selected Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case Image: Case
Select Entities to Edit All None Ents w/ Data For Cur Cases Filter: None << Limit
Select Planning Entity
Image: Chicago Electric Image: Chicago Gas Image: Chicago Nonutility Image: SWEGCO Electric Image: SWEGCO Gas
SWEGCO Common Suburban Gas Acquisition Co
Delete UIDEMO Temp Data Data View Existing Data Edit & Return

~

Select Rep	ort to Edit
📄 0&M	
Select Case	
All Non	e Cases w/ Data For Cur Ents Lines Order: Case-Entity-Lir
Selected	Case
✓	C 2016 - 2020 Base Plan
	O Data from Budget-Locked
	C View: Reduce O&M - Trainng
	© 2016 Budget Revision
	UIDEMO Temp Data Actuals
	C Actuals
Select Entiti	es to Edit
	None Ents w/ Data For Cur Cases Lines
Filter:	F
None	▼
None	
	lanning Entity S
	nicago Electric 🔺 📃
	nicago Gas
Cł	nicago Nonutility
Cł V SV	nicago Nonutility E
Cł	nicago Nonutility E
Cł V S\ V S\ V S\	nicago Nonutility VEGCO Electric VEGCO Gas VEGCO Common
Cł	hicago Nonutility WEGCO Electric WEGCO Common uburban Gas
Cł	nicago Nonutility VEGCO Electric VEGCO Gas VEGCO Common
	hicago Nonutility WEGCO Electric WEGCO Common uburban Gas

On Time-Dependent Editor, limit entities to those processed (the blue dot)

If this is checked, any report that has its entities limited by the Limit Entities to Run will show only those entities in the selection list. See below.

Entities Limited:

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Select Entities NOT to Run - the def	ault for 1-D) reports is to run all.
Options for 1-d Report Electric Revenue Sur	mmary Enti	ty Group: Planning Entity
Option 1: Set dynamically during run when		
Note: If you use this option, you should e		· · ·
Select Option for dynamically processing		
Use check box selections	1	
Use check box selections		○ do not copy ▼
Option 2: Limit Entities to Run By Edit Grou	ıp	
Optional: Limit Entities by Edit Group:	Limit by (Checkbox Selection 👻
Check All Uncheck All		Select Case: Base Attribute Case
Entity	Select	
Chicago Electric		
Chicago Gas	V	
Chicago Nonutility	v	
SWEGCO Electric		
SWEGCO Gas	v	
SWEGCO Common	v	
Suburban Gas	v	
Acquisition Co	v	
Tri-State Parent		
Tri-State Elim		
Tri-State Consol		
Prairie Gen	V	
UI Services	<u>_</u>	
UI Energy Parent		
UI Energy Elim		
UI Energy Consolidated		
٠	•	4
		ОК
		UK

Below are the entities in the Time Data Editor - limited to the selected entities.

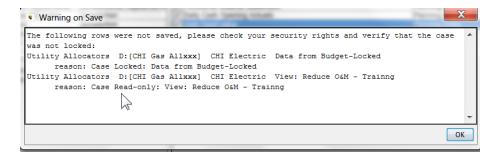
Edit Time Data - Electric Revenue Summary	
Select Report to Edit	
Electric Revenue Summary	
Select Cases to Edit All None Cases w/ Data For Cur Ents Lines Orde Selected Case O 2016 - 2020 Base Plan O Data from Budget-Locked C View: Reduce 0&M - Trainng O 2016 Budget Revision V UIDEMO Temp Data G Actuals	r:
Select Entities to Edit All None Ents w/ Data For Cur Cases Lines Filter: None <	S
Select Planning Entity Chicago Electric SWEGCO Electric Tri-State Parent Tri-State Elim UI Energy Parent UI Energy Elim	5
Delete UIDEMO Temp Data Data View Existing Data	

Locked Cases / Security

If a Case is locked, time data changes will not be saved. Likewise if a user has only view rights to the underlying Cases,

Reports or Lines, they will not be able to save the time data changes. See below:

Utility Alloc	rators
	20010
Select Cases t	o Edit
All None	Cases w/ Data For Cur Ents Lines Ord
Selected 0	Case
	9 2016 - 2020 Base Plan
V	Data from Budget-Locked
V	View: Reduce 0&M - Trainng
	2016 Budget Revision
	UIDEMO Temp Data
	O Actuals



Model Import

🚵 Model Import 🗙								
Profile, Interface Case, Import option, Save Case Import option: Time Data								
Select or Define Interface Profile								
PowerPlant CWIP Create Profile Assign Values								
Select Interface Case								
Case Group: All Interface Cases Merge Cases								
Selected Case								
O Import Mapping O PowerPlant Import								
Select Interface Code Option: Text from Interface case only		▼						
Select Data Delimiter: 🖲 Tab 🔘 Comma 🔲 Use Wildcard (%)?								
Select Entity Group: Account								
Select Import Option:								
C Entities	Accounts	Time Data						
UiSet Report Import/Export	Extended Entity Import							
Select Save Case								
Selected Case	Selected Case							
O Demonstrate Model Concepts								
O UIDEMO Temp Data O Actuals								

The Model Import screen allows UIPlanner users to import large data files or lists of entities and attributes into the Financial Model. It is used generally for recurring data imports, such as the monthly import of G/L balances or imports of load forecasts. The Model Import screen can import both text files (in a wide variety of formats) and SQL queries against external systems.

The Model Import screen functionality is typically used in stand-alone model implementations. In implementations with multidimensional capability, data and structures are typically populated using the Data Import screen, and these are made available to the Financial Model using published datasets.

The Model Import screen can be used to import:

- Time Data G/L balances, revenue forecasts, load forecasts, CWIP balances, budgeted O&M, etc.
- Entities Projects, Depr Groups, etc.
- Attributes Project Attributes (In-Service date, Tax Depreciation schedule, Eligible for AFUDC, etc)

- Accounts import Planning Ledger account structure
- » Reports import UIPlanner report logic from another UIPlanner instance

The screen is in two tabs. When the user selects the type of import from the radio buttons on the first tab, the second tab changes to display the options applicable to that import type.

🚵 Model Import \star								
Profile, Interface Case, Import option, Sa	ave Case Import option: T	ime Data						
Select File [Right Click to Discover Error		þ						
C:\0Ui\0_Training\M1 - Model Basics\20	16-02-27\Fuel and Purcha	sed Power.txt				<< Browse		
Rows to read-default is all:			[Enter SQL	Re-read File	Run Process		
Settings Imported File Results Map 8	Settings Imported File Results Map & Import							
Time Lata Import Options								
Select File Format:	Values Across	▼	Select Start Year:		2016	•		
Year-to-Date option:	None - data not YTD	▼	Select Years Acros	s:	10	•		
			Select Monthly Yea	ars:	0	-		
Number of qualifiers: 2	▼ 1st Period to save:	All Periods Last Period to save: All Periods						
Divide by 1000? Accounts: sw	/itch sign for rev/liab? 📃	Sum Net Income to Retained earnings? 🔲 Save to Actual:	s Case in actuals pe	eriods?				
Optional report(s) to post-process imp	oorted data. Process order	s across the first row, then the second row						
None	7	None	▼ None					
None	-	None	▼ None					
h			<u></u>					

It is a very flexible interface, with a number of switches and settings to allow for a wide variety of data file formats. A key feature of this screen is the ability to save Import Profiles. The user just selects the appropriate profile, and all settings are populated, such as destination case and the import settings. This saves time and prevents errors. This screen is also used to launch custom interfaces developed for specific clients.

When a data file is imported using this interface, UIPlanner tries to map and assign the information as best it can (using Interface Codes). Wherever it cannot translate an item, it flags it. Below is a sample import showing one mapping error.

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🚵 Model Import 🗴 💿 Core Object Editor 🗴 Profile, Interface Case, Import option, Save Case Import option: Time Data Select File [Right Click to Discover Errors or Clear] C:\0Ui\0_Training\M1 - Model Basics\2016-02-27\Fuel and Purchased Power.txt << Browse Rows to read-default is all: Enter SQL Re-read File Run Process Settings Imported File Results Map & Import Jan 2015 Feb 2015 Mar 2015 Apr 2015 May 2015 Jun 2015 Jul 2015 Oct 2015 Line # Qual 1 Qual 2 Aug 2015 Sep 2015 GEN_COAL_COST_SPOT GEN_COAL_COST_CONTRACT GEN_GAS_COST CO001 . 166682.95... 166682.95... 166682.95... 166682.95. 166682.95... 166682.95... 166682.95... 166682.95... 166682.95 CO001 166682. 7414.65... 6361.99704 6255.17448 5439.5171... 6027.69 7812.7511... 9181.9828... 9040.34568 7026.0700... 6738.6871 CO001 CO001 GEN_HYDRO_COST 3707.32... 3180.99852 3127.58724 2719.7585.. . 3013.845 3906.3755. .. 4590.9914... 4520.1728... 3513.03504 3369.3435 CO001 GEN_NUC_COST CO001 PURCH PWR ENERGY COST 5560.99... 4771.49778 4691.38086 4079.6379 4520.7675 5859.5633... 6886.4871... 6780.25926 5269.55256 5054.0153 PURCH_PWR_OTHER_COST CO001 0 0 0 CO001 PURCH_PWR_DEMAND_COST 3570 3570 3570 6630 6630 7650 12750 12750 7650 6630 CO001 FUEL_HANDLING 1122 1122 1122 1122 1122 1122 1122 1122 1122 1122 g SO2_ALLOWANCES FUEL COST OTHER 10 CO001 1020 1020 1020 1020 1020 1020 1020 1020 1020 1020 11 CO001 CO001 GEN_COAL_MWH 259512... 2226698.9... 2189311.0... 1903831.02 2109691.5 2734462.92 3213694.0... 3164120.9... 2459124.5... 2358540.4 12 13 CO001 GEN_GAS_MWH 148293.... 127239.94... 125103.48... 108790.344 120553.8 156255.024 183639.65... 180806.91... 140521.40... 134773.74 14 CO001 GEN_HYDRO_MWH 37073.2... 31809.9852 31275.8724 27197.586 30138.45 39063.756 45909.9144 45201.7284 35130.350. 33693.435 741465....636199.70...625517.448 543951.72 602768.99...781275.11...918198.288 904034.568 702607.00...673868.71 185366... 159049.92...156379.362 135987.93 150692.24...195318.77...229549.572 226008.642 175651.75...168467.17 15 CO001 GEN_NUC_MWH GEN_PURCH_PWR_MWH 16 17 CO001 COAL_PURCH_TO_INVENTORY_INTERFACE 31167.0... 26745.887... 26297.232... 22871.472... 25341.798 32839.055... 38589.828... 37994.951... 29534.994... 28327.985 CO001 18 C1002 GEN_COAL_COST_SPOT 20659.2... 18112.285... 17959.312... 16118.908... 16921.621... 19274.562... 21808.862... 20744.362... 17694.369... 16849.077 19 C1002 PURCH_PWR_ENERGY_COST $15024.8... \\ 13172.570... \\ 13061.318... \\ 11722.842... \\ 12306.633... \\ 14017.863... \\ 15860.991... \\ 15086.808... \\ 12868.632... \\ 12253.874... \\ 12253...$ FUEL COST OTHER 408 20 C1002 315 407 408 495 495 496 603 603 603

The Model Import screen has a dialog that allows users to resolve most mapping errors on the fly.

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Profile, Int	terface Case, I	mport option, Save Case	Import option: Time Data		
		Discover Errors or Clea			
C:\0Ui\0_	Training\M1 -	Model Basics\2016-02-27	\Fuel and Purchased Power.txt		<< Browse
Rows to re	ead-default is a	all:	Enter SOL Re-read Fi	le	Run Process
Settings	Imported File	Results Map & Import			
ine #	Qual 1	Qual 2	Jan 2015 Feb 2015 Mar 2015 Apr 2015 May 2015 Jun 2015 Jul 2015 Aug 2015 Set	p 2015	Oct 2015
	CO001	GEN_COAL_COST_SPO			0
	CO001 CO001	GEN_COAL_COST_CON	RACT 166682.95	682.95.	166682.95
	C0001	GEN_HYDRO_COST	Assign Object for code: SO2_ALLOWANCES		×
	CO001	GEN_NUC_COST		1	
	CO001	PURCH_PWR_ENERGY	Entity Account Ignore Fuel Expense Report	•	
	CO001 CO001	PURCH_PWR_OTHER_ PURCH_PWR_DEMAND	Select Object to Map		
	C0001	FUEL_HANDLING	Selected Object		
0	CO001	SO2_ALLOWANCES	A:[Entity Description - Energy & Purchased Power]	_	
1	CO001	FUEL_COSTHER	A second of the second of t		
2 3	CO001 CO001	GEN_COAL_MWH	C:[====== Electric Utility ======]		
<u> </u>	C0001	GEN HYDRO MWH	/ D:[Generation Coal Cost - Spot] / E:[Generation Coal Cost - Contract]		
5	CO001	GEN_NUC_MWH	<pre>/ E:[Generation Coal Cost - Contract]</pre>		
6	CO001	GEN_PURCH_PWR_MV	Gilgeneration Hydro Cost	-=	
7 8	CO001 C1002	COAL_PURCH_TO_INV GEN COAL COST_SPO	C / H:[Generation Nuclear Cost]		
9	C1002	PURCH PWR ENERGY	I:[Total Generation Cost] / J:[1	_	
0	C1002	FUEL_COST_OTHER	K:[Purchased Power Energy Cost]		
			L:[Other Purchased Power Cost]	-	
			M:[Purchased Power Demand Cost]		
			/ N:[Total Purchased Power Cost] / 0:[]	_	
			V O.[j V O.[j V O.[j V O.[j V O.[j V O.[j	-	
			\vee Q:[S02 Allowances]		
			R:[Other Fuel Cost]		
			S:[Total Other Fuel Cost]	_	
			V I:[]	-	
			W: Generation Coal MWH		
			Select		Quit

As they are fixed, the flagging will be removed. Once there are no more errors, the file will show all white meaning that all data will successfully import.

If the interface detects duplicate interface codes (interface codes must be unique), the user will be presented with a dialog listing the duplicates. They can choose which one(s) to delete.

Remove duplicate interface code?						
Duplicate interface code: 'SO2_ALLOWANCES' in case: PowerPlant Import						
Select object to remove code:						
Line: R:[Other Fuel Cost] in report: Fuel Expense Report						
C Line: Q:[SO2 Allowances] in report: Fuel Expense Report						
Remove Cancel Don't show this screen again (this session)						

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User Preferences

There are several aspects to User Preferences.

Preference Manager screen – UIPlanner has a specific dialog that allows the user to specifically set certain aspects of the user experience. This includes such things as whether to show default codes on entities, or the number of items to show in drop-down lists.

User Session Settings - UIPlanner 'remembers' user's choices and screen settings, so that they are available the next time the user enters the system. This is key to the user experience, since they can keep the interface customized to a certain look and feel (what tabs are open, size and location, etc.)

User Session vs. Global Settings - It is important to note the distinction between screen settings or choices that are user preferences and those that are global across all users. If a setting on a screen is a User Preference, it is indicated as such in the help for that screen. Users should assume all settings or choices are global across all users, unless specified as a User Preference.

Note that there are several other screens or options that allow a user to customize the user experience

- Sort Order choose how various system elements are sorted.
- Metal/Windows view choose from two alternate 'skins' or views

Preference Manager

The Preference Manager screen is where the user can configure various settings and choices that are user-specific rather than global across all users. It is important to note that these settings do not have any effect on runtime or results. The Preference Manager screen changes periodically, as new preferences are added, or others are no longer needed.

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On time-dependent editor store selected entities to edit by report NOT globally.
Create Ledger run-time reports.
Run Sequences: Use Selectors & Single Panel
Pivot Reporting: Full Screen Width Controls (low resolution)
Popup Description on Sequences
Remember last selection on posting screen.
Show data change alerts on-the-fly.
Locked' text on locked cases trails case name
Suppress Drill-down for compare scenarios
When drill from Model to Pivot Report show all periods and all entities.
Log Performance & Memory Statistics
Refresh objects after DSEE upload.
Use user preference for sequence set for scenario
15 <<< Number of items to show on drop-downs
20 << Row Height for tables
On time-dependent editor, limit entities to those processed (the blue dot)
When only one batch visible on Browse Reports, do not output other batches
Additional User Preference Settings
Define Attribute Formatting for Excel Editing Assign Keyboard Shortcuts to Menu Items
() Ok

The Preference Manager screen is a "modal" screen. It opens as a dialog box rather than a tab. The user cannot do anything else in UIPlanner until it is closed.

The Preference Manager screen consists of three tabs.

Preference Manager	×
System Behavior Output Options Delete/Copy Preferences	
Define My System Behavior	
Do NOT show data from time-dependent editor - just save.	On time-dependent editor store selected entities to edit by report NOT globally.
Suppress security messages when editing.	Create Ledger run-time reports.
Write allocation txt files	Run Sequences: Use Selectors & Single Panel
Multidimensional Calculations: split screen top & bottom, not side by side	Pivot Reporting: Full Screen Width Controls (low resolution)

System Behavior – This tab has a series of checkboxes and action buttons that allows the user to control various aspects of the UIPlanner user interface looks and behaves for them. See System Behavior tab.

Output Options – This tab allows the user to configure various settings for outputs such as model pull reports or debug reports. The user can also define the location of their UIPlanner Temp directory. See Output Options tab.

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Delete/Copy Preferences – This tab is where users can manage their user session preferences. Users can delete their own preferences or copy from another user. This tab also allows a user to remove a user edit lock on a report. See Delete/Copy Preferences.

System Behavior Tab

The System Behavior tab is where the user configures the various User Preference settings.

Preference Manager	
System Behavior Output Options Delete/Copy Preferences	
Define My System Behavior	
Do NOT show data from time-dependent editor - just save.	On time-dependent editor store selected entities to edit by report NOT globally.
Suppress security messages when editing.	Create Ledger run-time reports.
Write allocation bxt files	Run Sequences: Use Selectors & Single Panel
Multidimensional Calculations: split screen top & bottom, not side by side	Pivot Reporting: Full Screen Width Controls (low resolution)
Show Drilldown in actuals periods for Excel Reports	Popup Description on Sequences
Only show Reports that have been run on Browse Report screen.	Remember last selection on posting screen.
Suppress 'OK to Close?' when closing system.	Show data change alerts on-the-fly.
For new lines, set to Dollars WITHOUT Actuals (default is WITH)	Cocked' text on locked cases trails case name
Line-by-Entity: Zero Suppress by line	Suppress Drill-down for compare scenarios
Display Default Code in Entity Names	When drill from Model to Pivot Report show all periods and all entities.
Suppress 'High-Level Rollup' notice when opening Budget Grid.	Log Performance & Memory Statistics
Hide close-tab 'X'-buttons.	Refresh objects after DSEE upload.
Alert me on Successful File->Save.	Use user preference for sequence set for scenario
Report Comments on Inputs	15 << Number of items to show on drop-downs
Enable formatting of 'special' lines on calculation editor	20 Row Height for tables</td
Run Model at start-up	On time-dependent editor, limit entities to those processed (the blue dot)
Show Log Console	When only one batch visible on Browse Reports, do not output other batches
Edit Attributes will retain Attribute Case preference	
Colors for Run Sequences	Additional User Preference Settings
Color After Run Color While Running	Define Attribute Formatting for Excel Editing Assign Keyboard Shortcuts to Menu Items
Browse Reports Colors	
Current Report Recent Reports	
	Ok

Below are detailed descriptions of each of the options on the System Behavior tab. Note that various settings are relevant only for scenarios of certain types.

Do NOT show data From Time Dependent Editor - just save

If checked, this option will suppress the Prepare to Save dialog box that displays the changed time data rows returned from the MS Excel Time Data template. Any changed data will be saved automatically, without this intermediate window.

(Model/Strategic Model)

 Preparing to Save 	[Click Column Headers	s to Sort]								X
Case	Qualifier 1	Qualifier 2	Qualifier 3	Year	Jan	Feb	Mar	Apr	Мау	Jun
2015 - 2019 Base Plan	Rate Base Adjustments	H:[Less Depreciation Reserve]	New Plant in Service	2016	-2,000	-2,000	-2,000	-2,000	-2,000	-2,000
2015 - 2019 Base Plan	Rate Base Adjustments	G:[Plant In Service]	New Plant in Service	2016	10,000	10,000	10,000	10,000	10,000	10,000
٠		III								4
		De	ecimal places to Display	:					Save	Cancel

Suppress security messages when editing

Each time a screen sends a value to the Attribute table, security is checked before it goes to the save list. If this box is checked, the messages will not appear until the user hits Save.

Write allocation txt files

Check this box to allow allocation values to be written a text file that can be opened by Excel. However, this information is also available via the Browse Reports Screen Drilldown option. (Model)

Multidimensional Calculations : split screen top & bottom, not side by side

Check this box to present the Administer Multidimensional Calculations screen in an alternate view.

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Select Rule Set	W.			
de la pole de la Maria de la dela dela dela dela dela dela de	🗸 🗸 📝 Update Data	🞧 Compile & Load 🔻 🚺	Run Process	As Diagram 🔒 🔒 Find Errors 🔽 🔲 Lock
Select Rule Set: 🍫 Hybrid Labor Calculations			Run Process	
lybrid Labor Instruction Sets				
恰 Create Report	🗳 Add Report	×	Remove Report	Insert Report
Calculation	Loop Over	Filter		Group By
abor - Post Globals to Tree	Labor - Global Labor Assumptions	1	No Filter	Not Grouped
abor - Post Employee Data to Labor Tree	Labor - Import by Employee		vith Employee Level Labor	Not Grouped
abor - Post Job Class Data to Labor Tree	Labor - Import by Employee		with Job Class Labor Detail	Not Grouped
abor - Post Edits by Job Class	Labor - User Edits by Job Class		No Filter	Not Grouped
abor - Post Composite Rate to Labor Tree	Labor - Data by Job Class	Departments	with Job Class Labor Detail	Department x Resource Category x SubR
abor - Calc 1 - Employee	Labor - Employee Tree		vith Employee Level Labor	Not Grouped
abor - Calc 1 - Job Class	Labor - Job Class Tree		with Job Class Labor Detail	Not Grouped
abor - Calc 2	Labor - Summary Results		No Filter	Department x Resource Category
abor - OT Calc	Labor - Resource Category Tree		No Filter	Not Grouped
Calculate Capital/O&M Split	Labor - Summary Results	Resourc	e = Union, Non-Union	Department x Resource Category
Respread Labor to Capital/O&M	Budgeted Labor Dollars		e = Union, Non-Union	Not Grouped
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	*			\$
	*			×
▼				
Hybrid Labor Data Sets				
Create Depart				
Create Report	🗳 Add Report	🗙 Remove Report	🔶 Insert Report	Add Published Dataset
Dataset		X Remove Report	Record Values	
Dataset	Туре	X Remove Report	Record Values	
Dataset .ock Types	Type On Disk	X Remove Report	Record Values Monthly Numbe	rs
Dataset .ock Types .abor - Global Labor Assumptions	Type On Disk On Disk		Record Values Monthly Numbe Monthly Numbe	rs rs
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Dataset ock Types abor - Global Labor Assumptions abor - Global Labor Tree abor - Union Step Increase % abor - OT Factor by Department abor - Import by Employee abor - User Edits by Job Class	Type On Disk On Disk On Disk On Disk On Disk On Disk On Disk		Record Values Monthly Numbe	rs rs rs rs rs rs rs rs rs
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Dataset ock Types abor - Global Labor Assumptions abor - Global Labor Tree abor - Union Step Increase % abor - OT Factor by Department abor - Import by Employee abor - Capital % abor - Capital % abor - Zero Out abor - Data by Job Class abor - Data Stree	Type On Disk On Disk	ations	Record Values Monthly Numbe Mo	rs rs rs rs rs rs rs rs rs rs rs rs rs r
Dataset ock Types abor - Global Labor Assumptions abor - Global Labor Tree abor - Union Step Increase % abor - OT Factor by Department abor - Distree Glits by Job Class abor - Capital % abor - Capital % abor - Data by Job Class abor - Data by Job Class abor - Employee Tree abor - Did Step Job Class abor - Employee Tree abor - Did Class Tree abor - Resource Category Tree	Type On Disk On Disk Results of Calcula Results of Calcula	ations	Record Values Monthly Numbe Mo	rs rs rs rs rs rs rs rs rs rs rs rs rs r
Dataset ock Types abor - Global Labor Assumptions abor - Global Labor Tree abor - Union Step Increase % abor - OT Factor by Department abor - Import by Employee abor - User Edits by Job Class abor - Capital % abor - Zentol % abor - Zentol % abor - Data by Job Class abor - Employee Tree abor - Inde Results abor - Detable Results	Type On Disk On Disk Con Disk On Disk On Disk Con Disk On Disk On Disk On Disk Con Disk On Disk On Disk Con Disk On Disk On Disk On Disk On Disk Con Disk On Disk On Disk Con Con Con Con Con Con Con Con Con Con Con Con	ations ations ations ations ations ations	Record Values Monthly Numbe Mo	rs rs rs rs rs rs rs rs rs rs rs rs rs r
Dataset ock Types abor - Global Labor Assumptions abor - Global Labor Tree abor - Union Step Increase % abor - OT Factor by Department abor - Iuser Gldts by Job Class abor - Capital % abor - Zero Out abor - Data by Job Class abor - Data by Job Class abor - Bor - Data by Job Class abor - Bor - Data by Job Class abor - Data by Job Class abor - Detailed Results abor - Detailed Results abor - Sumary Results	Type On Disk On Disk	ations ations ations ations ations ations	Record Values Monthly Numbe Mo	rs rs rs rs rs rs rs rs rs rs rs rs rs r
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Dataset Ock Types abor - Global Labor Assumptions abor - Global Labor Tree abor - Union Step Increase % abor - OT Factor by Department abor - Iuner Step Increase % abor - OT Factor by Department abor - Duse Idfts by Job Class abor - Capital % abor - Zepital % abor - Zepital % abor - Sumary Results abor - Netwilts abor - Sumary Results bior - Sumary R	Type On Disk On Disk Con Disk On Disk On Disk On Disk On Disk Con Disk On Disk On Disk On Disk Results of Calcula Results of Calcula Results of Calcula Results of Calcula Results of Calcula Results of Calcula Results of Calcula	ations ations ations ations ations ations ations ations ations	Record Values Monthly Numbe Mo	rs rs rs rs rs rs rs rs rs rs rs rs rs r
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Below is the default view (preference unchecked).

🔅 Multidimensional Calculatio	ns ×					
Select Rule Set						
Select Rule Set: 4ybrid L	abor Calculations	•	🔗 💽 Update Data	T Compile & Load T NR	n Process 🔹 🕄 Show As Diagra	am 🔥 Find Errors 🔹 🗌 Locked
Hybrid Labor Instruction Sets				Hybrid Labor Data Sets		
Create Report	Add Report	🗶 Remove Report	🔷 Insert Report	Create Report 🛛 🕹 Add Re	ort 🛛 🗶 Remove Report 🗍 🍬 🛙	nsert Report 🛛 💼 Add Published Dataset
Calculation	Loop Over	Filter	Group By	Dataset	Туре	Record Values
abor - Post Globals to Tree	Labor - Global Labor Assu	No Filter	Not Grouped	Lock Types	On Disk	Monthly Numbers
abor - Post Employee Dat	Labor - Import by Employee	Departments with Em	Not Grouped	Labor - Global Labor Assumptions	On Disk	Monthly Numbers
abor - Post Job Class Data	Labor - Import by Employee	Departments with Job	Not Grouped	Labor - Global Labor Tree	Results of Calculations	Monthly Numbers
abor - Post Edits by Job Cl	Labor - User Edits by Job C	No Filter	Not Grouped	Labor - Union Step Increase %	On Disk	Monthly Numbers
abor - Post Composite Rat		Departments with Job	Department x Resour	Labor - OT Factor by Department	On Disk	Monthly Numbers
abor - Calc 1 - Employee	Labor - Employee Tree	Departments with Em	Not Grouped	Labor - Import by Employee	On Disk	Monthly Numbers
	Labor - Job Class Tree	Departments with Job	Not Grouped	Labor - User Edits by Job Class	On Disk	Monthly Numbers
abor - Calc 2	Labor - Summary Results	No Filter	Department x Resour	Labor - Capital %	On Disk	Monthly Numbers
abor - OT Calc	Labor - Resource Category		Not Grouped	Labor - Zero Out	On Disk	Monthly Numbers
	Labor - Summary Results	Resource = Union, No	Department x Resour	Labor - Data by Job Class	On Disk	Monthly Numbers
espread Labor to Capital/	Budgeted Labor Dollars	Resource = Union, No	Not Grouped	Labor - Employee Tree	Results of Calculations	Monthly Numbers
				Labor - Job Class Tree	Results of Calculations	Monthly Numbers
				Labor - Resource Category Tree	Results of Calculations	Monthly Numbers
				Labor - Detailed Results	Results of Calculations	Monthly Numbers
				Labor - Summary Results	Results of Calculations	Monthly Numbers
				Budgeted Labor Dollars	On Disk	Monthly Numbers
				Department % Change in Capital Split	Results of Calculations	Monthly Numbers
				Aggregate Capital/O&M Split	Results of Calculations	Monthly Numbers
				Respread Labor Dollars	Results of Calculations	Monthly Numbers

Show drilldown in Actuals periods for Excel reports

If this box is checked, Model reports sent to Excel from Browse Reports (if drilldown is enabled) will show in values in Actuals periods for report lines that are posted. Note that the total amounts for the lines will be what was input into the Ledger Actuals. This drilldown is intended to display any actuals on the supporting reports. See Browse Reports for more information. (Model/Strategic Model)

12		А	В	С	D
	1				
	2	Detail Model - Reforecast 1+11	a-Jan 2016	Feb 2016	Mar 2016
	3				
	4	Chicago Electric			
	5	B:[]			
	6	C:[Operating Revenue:]			
Γ·Ι	7	Credits			
	8	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD:[Total Revenue] Entity: Chicago Electric - Residential IL [Orig]	\$325,456	\$173,057	\$166,379
•	9	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD:[Total Revenue] Entity: Chicago Electric - Commercial IL [Orig]	\$25,414	\$70,617	\$71,781
$ \cdot $	10	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD:[Total Revenue] Entity: Chicago Electric - Industrial IL [Orig]	\$10,005	\$14,574	\$14,856
$ \cdot $	11	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD:[Total Revenue] Entity: Chicago Electric - Street Lighting IL [Orig]		\$764	\$721
$ \cdot $	12	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD:[Total Revenue] Entity: Chicago Electric - Residential MI [Orig]	\$12,566	\$87,016	\$81,827
·	13	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD: [Total Revenue] Entity: Chicago Electric - Commercial MI [Orig]	\$2,561	\$44,680	\$46,233
$ \cdot $	14	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD: [Total Revenue] Entity: Chicago Electric - Industrial MI [Orig]	\$4,561	\$15,807	\$16,116
·	15	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD: [Total Revenue] Entity: Chicago Electric - Street Lighting MI [Orig]		\$663	\$626
$ \cdot $	16	Post from Report: Electric Revenue Schedules (Electric Revenue Schedule) Line: AD:[Total Revenue] Entity: Chicago Electric - Wholesale [Orig]		\$813	\$804
·	17	Post from Report: Other Operating Revenue (Planning Entity) Line: E:[Total 450 Account] Entity: Chicago Electric [Orig]	\$38	\$38	\$39
$ \cdot $	18	Post from Report: Other Operating Revenue (Planning Entity) Line: I:[Total 451 Account] Entity: Chicago Electric [Orig]	\$1,256	\$96	\$96
·	19	Post from Report: Other Operating Revenue (Planning Entity) Line: N:[Total 454 Account] Entity: Chicago Electric [Orig]	\$13,849	\$119	\$119
· ·	20	Post from Report: Other Operating Revenue (Planning Entity) Line: Y: [Total 456 Account] Entity: Chicago Electric [Orig]	\$36	\$378	\$379
-	21	D:[Electric Revenue]	\$402,503	\$408,624	\$399,976
	22	E:[Gas Revenue]			

Only show reports that have been run on Browse Reports screen

When this box is checked, the Browse Reports screen report tree will not display any reports or report groups that were not run in the last run on the Run Sequences screen. See Browse Reports for more information. (Model/Strategic Model)

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	lectric Revenue Schedule	Conner Stade System	In the Energy Costs & Revenue	Report Dapley	Search Table D-84	een an Dela 1 a	ction Panel			
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	larving (Inthy	Rate of Assert - Assert Sold Sale of R	In The Plant	Driktown /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1				
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Schedule H Items P	harving Onthy				reports 1	that				
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Reg Adjustments - Direct 3	unektor		Plant Account Detail		the us	er				
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				Print # 1.414		×.	A			

Suppress "OK to Close?" when closing system

If checked, the user will not get the below confirmation dialog when UIPlanner is closed (by the red "X", <ctrl> w shortcut key, or the Exit menu item). UIPlanner will close immediately.

Exit UIPlanner
Ok to exit UIPlanner?
Yes No
Don't show this message again
(Toggles user preference also editable from 'My Preferences')

For new lines, set to Dollars WITHOUT Actuals (default is With)

If this box is checked, any new report lines added in the Calculation Editor will be configured as Dollars without Actuals. Note that the system default is Dollars WITH Actuals. See Calculation Editor for more information (Model/Strategic Model)

Editing: Electric Revenue Schedules					
Selec	Select Report Local Context: Electric Revenue Schedule				
Repo	Report: 📄 Electric Revenue Schedules 🔹 🐨 Electric Revenue Schedule.Chicago Electric - Street Lighting IL 🔹 🔗 Period: 12/2014 🔹 🔗				
(×)= Inp	out()				
Line Us	sage:	Formula	✓ Line Visibility: Always show	-	
Month	to Annu	al: Total (sum of months)	Annual to Month: Dollars (000) without Actuals	•	
B					
м	Ref.	Line label	Formula-forecast Formula-actual		
	н	Rate Per Unit - Block 1	Input() L:[Energy Revenue - Block 1] / C:[Sales - Block 1]	•	
	I	Rate Per Unit - Block 2	Input() M:[Energy Revenue - Block 2] / D:[Sales - Block 2]		
	J	Rate Per Unit - Block 3	Input() N:[Energy Revenue - Block 3] / E:[Sales - Block 3]		
	к		Label Only Label Only		
	L	Energy Revenue - Block 1	C:[Sales - Block 1] * H:[Rate Per Unit - Block 1] Input()		
	м	Energy Revenue - Block 2	D:[Sales - Block 2] * J:[Rate Per Unit - Block 3] Input()		
	N	Energy Revenue - Block 3	E:[Sales - Block 3] * I:[Rate Per Unit - Block 2] Input()		
	0	Energy Revenue - Total	Sum Down(L:[Energy Revenue - Block 1])		

Line-by-Entity: Zero Suppress by Line

If this option is checked, when a report is run Line-by-Entity in Browse Reports, any lines that are zero in all periods will not be shown in the report results. See Browse Reports for more information. (Model/Strategic Model)

Display/Hide Default Code in Entity Names

Use this checkbox to control whether the Default Code is shown along with the Entity Name. Note that this checkbox is different for Model/Strategic Model scenarios, and for Budget scenarios, as the default in each is different.

Model/Strategic Model/CREV – the default is Off – the user turns it On

Display Default Code in Entity Names

Budget – the default is On – the user turns it Off.

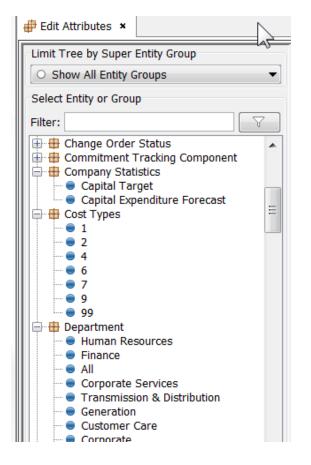
Hide Default Code in Entity Names

Below are the results

Display Default Code:

🖶 Edit Attributes 🗙
Limit Tree by Super Entity Group
O Show All Entity Groups
Select Entity or Group
Filter:
 Commitment Tracking Component I: Budgeted/Authorized 3: Commitments 2: Change Orders 4: Invoiced 5: Remaining Company Statistics CXT: Capital Target CXF: Capital Expenditure Forecast Department 001: Human Resources 001R: Human Resources 002: Finance All: All 002R: Finance 003R: Corporate Services 004R: Transmission & Distribution 004R: Transmission & Distribution

Hide Default Code:



Note that certain settings in Pivot Reports can override this User Preference, and always show Code:Name.

Suppress "High Level Rollup" notice when opening Budget Grid

If this is checked, the user will not be presented with a warning message upon entering the grid at a high level node (such as the All Node). UIPlanner typically displays this message to alert the user, as it may take time to open the grid. However, certain users such as System Admin or Budget Admin may be going to the All Node frequently, and do not want to be shown the warning each time. (Budget)

Below is the warning that this User Preference suppresses.

High-lev	vel Rollup
	You have entered the Budget at a high-level rollup node, which may contain a large amount of data.
	Do you wish to proceed?
	Yes No

Refresh objects after DSEE upload

If this is checked, all Dataset Excel Editor Objects are refreshed before any "data viewing" activities. This ensures that the backend data reflects any dataset updates that had been made through the Dataset Excel Editor on the same client machine since the last run.

Use User preference for sequence set for scenario

If this is checked, the Run Sequence Sets screen will use the user's last setting for the sequence set rather than the Default Sequence set as defined on Manage Scenarios. (Model/Strategic Model)

Number of items to show on drop-downs

This item allows the user to set the number of items to show in drop-down lists through out UIPlanner. The default is 8. Setting a larger number makes it easier to select from dropdown lists with a large number of items. See the examples below, where the preference has been set to 15.

Define Forecast	Function for P:[Book Depreciation]	X
Select Function		
Show Tree Selec	ction 🔲 Show Quick Search Rollup	- 🔗
Function Description	: Rollup	
· · · ·	lled up value of a selected line and report. Uses the first	association found
Define Parameter Val	lues	
From Report:	Plant Account Detail	▼ 🔗
From Line:	AB:[Total Book Depreciation Expense]	
	AB:[Total Book Depreciation Expense]	A VS
	AC:[]	
Sign?	AD:[Beg Bal Accum Depr - Vintage Plant]	AP .
	AE:[Book Depreciation on Vintage Plant]	
	AF:[End Bal Accum Depr - Vintage Plant]	
	AG:[]	
	AH:[Tax Depreciation & Deferred Taxes:]	
	AI:[Tax Depreciation on Vintage Plant]	≣⊧el
	AJ:[Tax Depreciation on Asset Additions]	
	AK:[Tax Depreciation Input Adjustment]	
	AL:[Total Tax Depreciation] AM:[(-) Total Book Depreciation]	
l Only	AN:[(-) Total Book Depreciation] AN:[Temporary Differences]	
	AN:[Temporary billerences]	
	AP:[Temporary Differences]	-

Edit Attributes ×				
Limit Tree by Super Entity Group	Assign Attribute Values for Entity - Human Resources			
O Show All Entity Groups	Select Case: Base Attribute Case (Base)	•		
Select Entity or Group	Name by Case: Human Resources			
Filter:	Associations			
Department	Show rollup periods: One Two Three Four			
- • • 001R: Human Resources	Delete Description	Value		
● 002: Finance ● All: All	Pointer to Planning Entity	UI Services: UI Services 🔹 🗸		
002R: Finance	Company Company	UIS: UI Services		
003: Corporate Services		12		
003R: Corporate Services		AEP: American Electric Power		
004: Transmission & Distribution		XEL: Xcel Energy		
O04R: Transmission & Distribution		WEC: Wisconsin Energies		
005: Generation 005R: Generation		JV: Joint Owners		
005K. Generation 006: Customer Care		N: No Company		
006R: Customer Care		All: All		
007: Corporate		CE: Chicago Electric		
007R: Corporate		HG: Heartland Generation		
🛛 😑 008: Internal Audit		MG: Midwest Gas		
012: Information Technology	Comments	TSU: Tri-State Utilities		
012R: Information Technology		UIE: UI Energy		
 013: Purchasing 015: Warehouse 	Memo Attribute: Entity Comment 🔻	UIS: UI Services		

Row Height for tables

This feature allows the user to set the row height for all screens in UIPlanner that are built on embedded tables. This significantly enhances the readability of many screens, including Calculation Editor, Run Sequences and Edit Attributes, among others. Below is an example of the Calculation Editor, first with the default, and then with the preference set to 22.

BJ			🗿 🗣 🖗 🖲 🖽 📸 📾 🌒 🚿 🇭 🎬 🗭 🍭 Editing Common Stock
MM	Ref.	Line label	Formula-forecast
	A	Entity Description - Common Stock	Place Holder for Entity Description
	В		Label Only
	С	Beginning Shares Outstanding (000)	Previous(AB:[End of Period])
	D		Label Only
	E	Stock Price Per Share	Input()
	F		Label Only
	G	New Issues (\$000):	Label Only
	Н	DRIP Issuuances (\$ 000)	Input()
	I	ESOP Issuances (\$ 000)	Input()
	J	Other Issuances (\$ 000)	Input()
	K	Bond Conversion Issuances (\$ 000)	
	L	Auto-Finance Issuances (\$ 000)	
	M	Total Issuances (\$000)	Sum Down(G:[New Issues (\$000):])
	N		Label Only
	0	Repurchases:	Label Only
	P	Repurchase (\$000)	Input()
	Q	Shares (000)	P:[Repurchase (\$000)] / E:[Stock Price Per Share]
	R		Label Only
	S	New Issuances Shares (000):	Label Only
	Т	DRIP Issuances Shares (000)	H:[DRIP Issuuances (\$ 000)] / E:[Stock Price Per Share]
	U	ESOP Issuuances Shares (000)	I:[ESOP Issuances (\$ 000)] / E:[Stock Price Per Share]
	V	Other Issuuances Shares (000)	J:[Other Issuances (\$ 000)] / E:[Stock Price Per Share]
	W	Bond Conversion Issuances Shares (000)	Label Only
	х	Auto-Finance Issuances Shares (000)	Label Only
	Y	Total Issuances Shares (000)	Sum Down(S:[New Issuances Shares (000):])

83			🗿 🗣 🧐 🐑 🖲 🛱 📓 🜌 🖉 🎬 🏙 🞯 🔇 Viewing Common Stock	
мм	Ref.	Line label	Formula-forecast	Ī
	A	Entity Description - Common Stock	Place Holder for Entity Description	F
	В		Label Only	L
	С	Beginning Shares Outstanding (000)	Previous(AB:[End of Period])	Γ
	D		Label Only	L
	E	Stock Price Per Share	Input()	Γ
	F		Label Only	L
	G	New Issues (\$000):	Label Only	L
	н	DRIP Issuuances (\$ 000)	Input()	
	I	ESOP Issuances (\$ 000)	Input()	Τ
	J	Other Issuances (\$ 000)	Input()	Τ
	К	Bond Conversion Issuances (\$ 000)		Γ
	L	Auto-Finance Issuances (\$ 000)		Γ
	М	Total Issuances (\$000)	Sum Down(G:[New Issues (\$000):])	Γ
	N		Label Only	L
	0	Repurchases:	Label Only	L
	Р	Repurchase (\$000)	Input()	T
	Q	Shares (000)	P:[Repurchase (\$000)] / E:[Stock Price Per Share]	Τ
	R		Label Only	L

Run Model at start-up

If this box is checked, the Financial Model will run the model upon starting up. The model will run the last scenario selected, as reflected in User Preferences. (Model/Strategic Model)

Show Log Console

If this box is checked, the UIP Log Console is shown in a separate window. Note that there is a Planner Property to govern whether or not this preference defaults to ON.

🛓 UIP Log Console	
Find	
Fri Apr 01 09:54:03 CDT 2016	
UIPlanner - Release 10.04.RC	
initAllScenarioDatasAsSavedToDisk: 5ms	
Instantiating UserSession, userId=UIDEMO, ScenId=30735450, versionId=1	
NO DEFAULT PARENT - update missing default parents on the COE: :Chicago Steam (21103202)	
NO DEFAULT PARENT - update missing default parents on the COE: :Prairie Gen Electric (21099443)	
Attribute query: SELECT * FROM UIP_ATTRIBUTE WHERE VERSION_ID = ? AND (CASE_ID IN (?,?,?,	
Read 121282 attribute records, time: 6351	Ξ
Timer at ScenarioData.java line 1096 which took 6472 ms (reloadAttribute returned=> 135074)	
Timer at UserSession.java line 2381 which took 6648 ms (loadFullScenario)	
menu init, time: 11ms.	
Organize parent/child - time: 15 ms.	
setAllB2PublishInfo: 4	
Organize parent/child - time: 10 ms.	
linkAttributeDefinitionsToEntityGroups, object not in map: -3227	
Timer at BaseFrame.java line 1148 which took 7023 ms (UserSession.getClientRunSession())	
com.utilinc.planner.b2.B2SessionInfo simple B2SessionInfo	
B2SessionInfo.loadAdminLocks()	
B2 STYLE: 2	
UserSession.loadAdminLocksB2(): lockSize: 60 hasIgnoreOne: false hasIgnoreTwo: false caseBudg:	
a B2 refresh happened 3 ms.	
New B2Engine: vID:1, sID:30735450, rssID:30728250, usr: UIDEMO	
B2DataSet.loadFromDB() dsId (30697329) query took 286ms	
B2DataSet.loadFromDB() UIDEMO dsId/caseId:30697329/2147483635	
POST-LOAD: B2DataSet.loadFromDB() UIDEMO dsId/caseId:30697329/2147483635 count:2	-
UserSession.loadAdminLocksB2:	
File: console.txt Last Update: 04-01-2016 09:54:15 Line:	

Edit Attributes will retain Attribute Case Preference

When this preference is set, the previously selected Edit Case will be automatically selected each time Edit Attributes is opened, for any Entity Group. Note that if the preference case is not in the current scenario (maybe the user changed scenarios), the preference is ignored, and Edit Attributes will revert to showing the Base Attribute case as the Edit Case

On time-dependent editor store selected entities to edit by report NOT globally

If this box is checked, in the Time Data Editor, the user preferences will remember entity selections by individual report. The default is across all reports (e.g., if the user selects specific Planning Entities on one report, when they select a different report also by Planning Entity, it will use that same selection). (Model/Strategic Model)

In the example below, the user selected different planning entities on two different reports. Note that the Time Data Editor retains different selections for the two reports.

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elect Report to E	lit				Select Time Perio	d			
Gas Revenue S	ummary			•	For annual dollars, divide by 12				
		Start Year:	2016						
elect Cases to Ed									
All None C	ases w/ Data 📃 For Cur Ents	Line	s Orde	er: Case-Entity-Line 🔻	Years to Edit:	5			
Selected Case					Years By Month:	þ			
✓ O 20	15 - 2019 Base Plan				One period:	•			
G Ac	justments - Board Retreat				Excel format:	General			
	DEMO Temp Data				Only: 🗸 Inputs	Forecast Inputs			
C AC	tuals				a- for Dollars (000) with Actuals				
					Show Line Re	• •			
						Terence in Excer			
elect Entities to Ec	it		Select Lir	nes to Edit					
All None Ents	w/ Data For Cur Cases L	ines	All	None Lines	w/ Data	Cur Cases 📃 Ents			
Filter:			Filter:		<u></u>				
None 🔻	<< Limit		None	9 ▼	<< Limit				
elect Planning			Select						
Chicago E				L:[Sales Override]					
Chicago C Chicago N		=		O:[GRC Adjustment]					
		- []							
SWEGCO									
SWEGCO		-							
	n Co	-							

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Select Report to Edit			Select Time Period	i
📄 Fuel Expense Report	For annual dol	llars, divide by 12		
			Start Year:	2016
Select Cases to Edit	Years to Edit:			
All None Cases w/ Data For Cur Ents	Lines Order: Case-Entit	ty-Line 🔻		5
Selected Case			Years By Month:	0
© 2015 - 2019 Base Plan			One period:	
Adjustments - Board Retreat			Excel format:	General 🗸
UIDEMO Temp Data			Only: 📝 Inputs 📗	Forecast Inputs
C Actuals				(000) with Actuals
			Show Line Ref	erence in Excel
All None Ents w/ Data For	Cur Cases 📃 Lines	Select	None Lines w/ Data	For Cur Cases 🔲 En
All None Ents w/ Data For	Cur Cases 📄 Lines	All Filter:		For Cur Cases En
None ▼	Cur Cases 🔲 Lines	All Filter:		
None ▼	Cur Cases Lines	All Filter:	ne 🔻	
elect Planning Entity		All Filter:	ne 🔻	Cost - Spot]
ilter: None ▼		All Filter:	ne Line D:[Generation Coal E:[Generation Coal F:[Generation Gas C	Cost - Spot]
ilter: None ▼		All Filter:	ne	Cost - Spot] Cost - Contract] Cost]
ilter: None Chicago Electric Chicago Gas Chicago Nonutility		All Filter:	ne Line D:[Generation Coal E:[Generation Coal F:[Generation Gas C	Cost - Spot] Cost - Contract] Cost] Cost] cost] cost] cost] cost] cost]

Create Ledger run-time reports

This selection will send posted Planning Ledger values by Planning Entity to a text file. Note that this user preference needs to be enabled for the Daily Cash module of UIPlanner. (Model)

Run Sequences: Use Selectors & Single Panel

If checked, the Run sequences screen for the Financial Mode//Strategic Model will be formatted in an alternate view, with a list of sequences on the left, and the right panel will show only the reports for the selected sequence. (Model/Strategic Model)

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Compile & Run	•	Show Search Panel	Sequence set Tactical Model
Use UIDEMO Temp Data O Select Output Batch			O Select Sequence SubSet
Feeder Reports	Fee	eder Reports	
🛛 Run All		Report	Context
Financial Reports		System-Wide Rates	System Control
🛛 Run All	1	Utility Allocators	Utility
Ratios & Statistics & Summary Reports		Jurisdictional Allocators	Jurisdiction
Run All		Journal Entry	Planning Entity
—		Property Tax	Planning Entity
	V	Other Operating Revenue	Planning Entity
	V	AFUDC Rates	AFUDC Rate Schedule
	V	Book Depr Rates & Rules	Plant Account
	V	Construction	Construction Project
	1	Plant Account Detail	Plant Account
	V	0&M	Planning Entity
	V	Fuel Expense Report	Planning Entity
	1	ECA Fuel Clause Report	Fuel Clauses
	1	Electric Revenue Schedules	Electric Revenue Schedule
		Electric Revenue Summary	Planning Entity

Note that this preference can be changed on the fly. Just change this preference here and just close/open the Run Sequences screen to switch the view.

Pivot Reporting: Full Screen With Controls (low resolution)

If checked, Pivot Reports will display the report settings options as a drop-down at the top of the screen, rather than a list on the left. This is intended for users with low resolution screens. The new layout is also the default behavior if the screen width is less than 1100 pixels (even if the user preference setting has not been selected). See Pivot Reports for more information.

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Report 'calc' in [C&l Account Management] Select Display Option to Edit				×
Select Display Option to Edit: >Row Headers				~ 🔗
Row Headers Available Report Dimensions	Define Report Rows			
Field Scenarios Time	Row Grouping	Show Total	Trailing Row	Total Row Header
Line	Rate Code	No Total	No Trailing Row	
Account Rep	Line	No Total	No Trailing Row	
Customer Account/Premise Rate Code				
	🗙 Move Up	× N	love Down	X Remove
calc	2012 2013	2014		
General Service Large Demand				<u>^</u>

Popup Description on Sequences

This selection will displays the report description (Report\Entity Group) upon mouse-over of a report name in a sequence set. (Model/Strategic Model)

Feeder Reports		F
Run All		
Report	Context	
System-Wide Rates	System Control	V
Utility Alloc	Utility	V
Jurisdiction	de Rates/System Control	V
Journal Entry	Planning Entity	V
Property Tax	Planning Entity	

Remember last selection on posting screen

If this box is checked, the posting screen will remember the last selected debit and credit account selected in the account tree, making it easier to perform multiple successive posts. Note that this is only relevant for the Financial Model/Strategic

Model postings, not multidimensional postings to datasets. (Model/Strategic Model)

Show data change alerts on-the-fly

When this box is checked, any alerts attached to an object in the Core Object Editor will display immediately as that item is edited. Otherwise the alert will not display until a Save is invoked. See the Core Object Editor for more information.

"Locked" test on locked cases trails case name

If this is checked, when a case is locked, the term "Locked" is appended to the case name (e.g., "Case Name – Locked". If unchecked, locked cases will be displayed as "Locked - Case Name." Keeping "Locked" after the case name makes it easy to sort cases by name. See Manage Cases for more information.

Checked:

Sel	ect Case to Edit (Click column headers to sort)	1
	Case	Case Type
Θ	2015 - 2019 Defer CapEx Overlay Case-Locked	Overlay
Θ	2015- 2019 Base Plan-Locked	Overlay
Θ	2016 1+11 Reforecast Case	Overlay
Θ	Merge all data	Overlay
Θ	Temp Data in Merge	Overlay
Θ	2016 1+11 Time Data Merged-Locked	Overlay
	~5	

Unchecked:

Select case to Luit (Click column neaders to sort)

	Case	Case Type	Ca
Θ	Locked-2015 - 2019 Defer CapEx Overlay Case	Overlay	
Θ	Locked-2015- 2019 Base Plan	Overlay	
Θ	2016 1+11 Reforecast Case	Overlay	
Θ	Merge all data	Overlay	
Θ	Temp Data in Merge	Overlay	
Θ	Locked-2016 1+11 Time Data Merged	Overlay	

Suppress drilldown for compare scenarios

If this box is checked, Browse Reports will not display drilldown for compare scenarios, only the current scenario. See Browse Reports for more information. (Model/Strategic Model)

When drill from Model to Pivot Report show all periods and all entities

When drilling from Model to a Pivot Report, the default is to show the Pivot Report already filtered to the dimensions and time. This preference checkbox allows the user to override that and show the full source report – all dimensions and across time. (Model/Strategic Model)

Model Drilldown - Construction/Plant Results	a-Jan - 2012	a-Feb - 2012	a-Mar - 2012	a-Apr - 2012	a-May - 2012	a-Jun - 2012	a-Jul - 2012	a-Aug - 2012	a-Sep - 2012	a-Oct - 201:
000: 0: NONE					1					
Capex: Cash Expenditures	69,451,364	70,932,779	85,065,633	82,001,111	66,266,954	81,159,664	54,099,387	69,237,250	83,061,846	80,557,6
CloseAFDCDebt: Closings - AFUDC Debt					113,052					
CloseAFDCEqu: Closings - AFUDC Equity	-0				-113,052					
CloseCash: Closings - Non-AFUDC	80,242,966	58,622,953	89,569,776	73,029,321	68,737,165	96,679,566	49,045,951	68,652,156	67,313,252	89,581,3
CPI: CPI										
EndCWIPAFCD: Ending CWIP - AFUDC Debt	-4	-4	-4	-4	-4	-4	-4	-4	-4	
EndCWIPAFCE: Ending CWIP - AFUDC Equity	1,719,940	1,719,940	1,719,940	1,719,940	1,719,940	1,719,940	1,719,940	1,719,940	1,719,940	1,719,9
EndCWIPCash: Ending CWIP - Non-AFUDC	195,303,133	207,612,959	203,108,817	210,148,912	207,678,701	191,348,082	196,401,185	196,985,780	212,734,669	203,710,9
Removal: Removal	3,199,771	2,818,798	2,557,537	-1,305,836	8,629,722	3,061,937	3,370,590	4,928,270	4,928,548	5,541,7
Salvage: Salvage	591,820	456,822	390,113	3,510,531	1,132,277	1,153,491	1,802,263	956,779	1,434,574	1,457,4
010: 10: CUTLER										
Capex: Cash Expenditures										
CloseCash: Closings - Non-AFUDC										
EndCWIPCash: Ending CWIP - Non-AFUDC										
Removal: Removal								11,354	9,869	12,9
041: 41: RIVIERA MODERNIZATIO										
Capex: Cash Expenditures	24,928,824	31,030,372	72,646,942	58,001,850	19,747,784	42,767,515	28,435,831	25,205,109	38,927,269	26,851,9
CloseAFDCDebt: Closings - AFUDC Debt	29,298		-27				861	514		
CloseAFDCEqu: Closings - AFUDC Equity	65,421		27				1,959	1,170		
CloseCash: Closings - Non-AFUDC	2,816,318	192,672	42,896	11,714	-101,631	682,344	331,510	341,656	116,681	204,9
CPI: CPI										
EndCWIPAFCD: Ending CWIP - AFUDC Debt	1,349,636	1,654,890	2,033,390	2,523,946	3,078,264	3,677,699	4,323,162	5,009,753	5,739,486	6,508,5
EndCWIPAFCE: Ending CWIP - AFUDC Equity	4,563,694	5,258,397	6,135,022	7,251,440	8,512,970	9,877,179	11,346,135	12,908,695	14,569,440	16,319,€
EndCWIPCash: Ending CWIP - Non-AFUDC	192,634,092	223,474,418	296,082,437	354,086,072	373,954,109	416,063,345	444,237,849	469,159,618	508,044,684	534,779,4
Removal: Removal	-20,878	1,620,363	1,033,918	678,883	334,770	349,311	172,383	822,013	370,309	183,5
050: 50: PUTNAM										
Capex: Cash Expenditures	484,665	4,161,902	2,052,293	1,353,573	250,762	661,057	884,720	422,160	140,254	400,0
CloseCash: Closings - Non-AFUDC	5,042,427	7,324,631	943,238	2,354,190	821,080	457,077	663,021	660,714	106,727	430,7
EndCWIPCash: Ending CWIP - Non-AFUDC	4,475,447	1,312,718	2,421,773	1,421,157	850,839	1,054,818	1,276,517	1,037,963	1,071,490	1,040,7
Removal: Removal	94,797	209,457	540,098	-217,807	432,186	7,628	25,530	36,697	949	18,7
Salvage: Salvage			171,561			44,866		16,545		

LogPerformance & Memory Statistics

If this box is checked, the Java Console will include additional debug information such as client memory usage, trace messages and a summary count of Objects (entities, etc.) and attributes by Case.

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Java Console - UiPlanner Application	the bar and the second second		
Attrib Count for Key (Q2 or Q2.Q3) -5			
Attrib Count for Key (Q2 or Q2.Q3) -5			
Attrib Count for Key (Q2 or Q2.Q3) -4			
Attrib Count for Key (Q2 or Q2.Q3) -4			
Attrib Count for Key (Q2 or Q2.Q3) -5 Attrib Count for Key (Q2 or Q2.Q3) -5			
Attrib Count for Key (Q2 of Q2.Q3) -3 Attrib Count for Key (Q2 or Q2.Q3) -5			
Q2 Total count for FormulaCase 10000604= 1144			
	55		
Scenario Attribute Total Count = 520810			
Total row count for InterfaceCase 10001004= 1			
Total row count for all Interface Cases = 1			
Total Row Count for all Attribute Cases = 520811			
getMyScenarioDataStats() took 70ms			
Display Stats Max=778,502KB	Ttl=778,502KB Free=308,102KB	Avl=308,102KB Used=470,399KB Avl=364,076KB Used=414,425KB	Inc=47,258KB Pct=60.424
gc() Max=778,502KB AlertThread will run.	Ttl=778,502KB Free=364,076KB	AVI=304,070KB USed=414,425KB	Inc=-55,974KB Pct=53.234
lazy read q1 & q3 [0:com.utilinc.planner.dataguy.bl	l domain CaseData getAttributeRow(CaseData	iava:203)][1:com utilinc planner dataguy bl.dom	ain CaseData getAttributeRow(Cas
DataCaller.call(Class=com.utilinc.planner.ui.framewo			
	······	,	
III			× 1/2
	Clear Copy	Close	

Hide close-tab "X" buttons

If checked, open tabs will not display the "X" for closing them.

Run Sequence Sets	C Browse	Reports	🔌 Manage Ledger	
Compile	& Run		🖷 Publish-Co	ompa

Alert me on Successful File->Save

If this box is checked, whenever the user hits File->Save and there are no errors, they will get a confirmation message. Note that this is related to saves other than Time Data. Time Data saves are controlled using a different User Preference. (**Do NOT show data From Time Dependent Editor – just save**)

Report Comments on Inputs

If this box is checked, comments that have been entered in the Time Data Editor will be displayed on Browse Reports in popup when the user selects the cell. Cells with comments are identified with red triangles. See Browse Reports for more information. (Model/Strategic Model)

Below is the comment entered.

В	С	D	Е	F	G	Н	1	J	K	L	М	N	0	Р	Q	R
Gas Revenue Summary	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2017	2017	2017	2017
2015 - 2019 Base Plan																
Chicago Gas														EMO	Adjustr	nont
L:[Sales Override]	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	15(30)			pard Pk	
																5

Below is the comment as shown on Browse Reports.

Comment						×	
Report: Gas Revenue Sum Entity: Chicago Gas Comment on 12/2016 UIDEMO - Adjustment for		_	-	es Overrid	ie]		C 2016 C 2
	_					Close	1,681
and)	0	0	0	0	0	0
	В	3,545	3,737	3,744	4,578	7,177	9,972
omer	5	32,646	32,679	32,710	32,742	32,773	32,806
er	þ	0	0	0	0	0	0
otal Revenue	þ	36,534	36,777	36,850	37,973	41,067	44,458
Sales	3	347	367	397	582	931	1358
s Override	þ	1,500	1,500	1,500	1,500	1,500	15,000
ber Of Customers	6	298579	298878	299176	299475	299773	30/73

Enable Formatting of 'special' lines on Calculation Editor

If this box is checked, the user can set the display formats of the 'special' lines on the Calculation Editor, such as labels or iftests. Note that like all formatting, these are global across all users – if another user enables this checkbox, they will see all formatting that has been set up. See Calculation Editor for more information.

Report: Bonds - Detailed Model		
Detail Model 2016-2020	Jan 2016	Feb 2016
CHI 4.50% FMB due May 15, 2015		
Principal Outstanding (Format - Default Data Format)	150,000	
Planning Entity (Format - Object Description)	Chicago Electric	<u> </u>
New Issue Principal (Format - Dollar \$#,####)	\$150,000	
Issue Date YYYYMM (Format - MM YYYY)	Aug 2002	
Interest Payable (Format - #,##0.000)	3,132.500	507.500
New Issue Cost Percent (Format - #,##0.0000%)	0.3333%	0.3333%
Payment month switches:		
current YYYYMM	201,601	201,602
' in first month only, copy initial payment month		
Payment month (1=YES)	1	0
' otherwise add increment		
beginning payment tick	6	7
increment	1	0
ending payment tick	7	7
if		
Sink Day Default = 1	1	1
end if		
Sink Day Used	1	1
' set switch for retire tick		
if		
Is Retire Date	0	0
end if		

On Time Dependent editor, limit entities to those processed (the blue dot)

If this box is checked, when the user selects the Time Data Editor for a report that is limited using Limit Entities to Run (the Blue dot in the Calculation Editor), it will show only those entities in the selection list. (Model/Strategic Model).

The report below is limited to only the Gas Planning entities.

Select Entities NOT to Run - the default for	1-D reports is to run all.				
Select Report	N2				
📄 Gas Revenue Summary	▼				
Options for 1-d Report Gas Revenue Summary Ent	ity Group: Planning Entity				
Option 1: Set dynamically during run where Time-	data exists for Entity or pairs				
Note: If you use this option, you should erase the	checks below to save database space.				
Select Option for dynamically processing combinat Copy entities/entity pairs from:					
Use check box selections 👻	○ do not copy 🔻				
Option 2: Limit Entities to Run By Edit Group					
Optional: Limit Entities by Edit Group: O Limit	t by Checkbox Selection 🔹 🔻				
Check All Uncheck All	Select Case: Base Attribute Case 🔻				
Entity	Select				
Chicago Electric					
Chicago Gas					
Chicago Nonutility					
SWEGCO Electric					
Suburban Gas					
Acquisition Co					
Tri-State Parent					
Tri-State Elim					
Tri-State Consol					
Prairie Gen					
UI Services					
UI Energy Parent					
UI Energy Elim					
UI Energy Consolidated	▼				
4	4				
	ОК				
	OK				

The Time Dependent Data Editor will list only those entities.

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Select Report to Edit				Select Tim	ie Period	
Gas Revenue Summary			For annual dollars, divide by 12			
Select Cases to Edit All None Cases w/ Data Fo Selected Case Image: Case of the second	r Cur Ents 📄 Lines at	Order: Case-Enti	ty-Line 🔻	a- for	dit:	uals
All None Ents w/ Data Filter: None None None None None None None None None None None None Non	For Cur Cases	Lines	Select Lines to All Nor Filter:	ne Lines	w/ Data For C	ur Cases 📃 Ents
Select Planning Entity Image: Chicago Gas				ales Override iRC Adjustme	•	
Delete UIDEMO Temp Data	Delete Data	View Existing Data	Edit & F		Edit & Close	Close

When only one Batch Visible on Browse Reports, do not output other Batches

When this box is checked, if the user has selected to show only one Batch on Browse Reports, the Output Reports button will only output that batch. Other batches that may have been checked will NOT be run. See Browse Reports for information on outputting multiple batches. (Model/Strategic Model)

Colors for Run Sequences

Clicking either button opens a color palette that allows the user to select the highlighting color for reports on the Run Sequence Sets screen – both while they are running and/or after they have been run. (Model/Strategic Model)

Below are the defaults.



See below where an alternate color scheme has been selected.

Run	Report	Context
1	Short-term Rollover & Interest	Planning Entity
1	Income Statement	Planning Entity
1	Balance Sheet	Planning Entity
1	Cost-of-Capital - Legal Entity	Legal Entity
1	Cost of Capital - Jurisdiction	Jurisdiction
1	Jurisdictional Working Capital	Jurisdiction
1	Rate Base	Jurisdiction
V	Jurisdictional Earnings	Jurisdiction
1	Revenue Requirements	Jurisdiction
1	Income Tax - State	State Tax Area
1	Income Tax - Federal	Planning Entity
V	Common Stock	System Control
V	Sale of Asset - Setup	Planning Entity
V	Sale of Asset - Asset Sold	Sale of Planning Entity
V	Sale of Asset - Proceeds	Planning Entity
V	Cash Balancing & Auto Financing	Planning Entity

Browse Reports Colors

Clicking either button opens a color palette that allows the user to select the highlighting color for reports on the Browse Reports. Different colors can be selected for the current report selection and for the recent reports. (Model/Strategic Model)

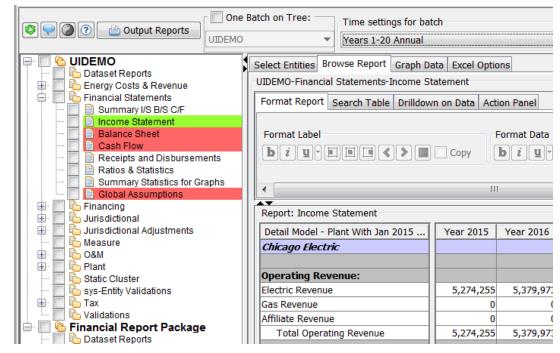
Below are the defaults.

Browse Reports Colors

 Current Report
 Recent Reports

See below where an alternate color scheme has been selected.

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Define Attribute Formatting for Excel Editing

Click on this button to select the Excel number format for the attributes of a chosen entity group. See below.

Select Entity Group	
Select Entity Group: Bonds - Deta	iled Model 🔹 🔻
Attribute Defintion	Number Format
Sink Day	###0
Reacquisition Day	###0
Fixed vs Variable Switch (fixed =0)	
New Issue Credit Limit	
Interest Rate (Fixed)	#,##0.00_);[Red](#,##0.00);" "
Interest Payment Month (1-12)	###0
Number of Months Between Payment	s ###0
New Issue Principal	Dollar \$#,##0_);[Red](\$#,##0);" "
New Issue Cost (Percent)	
Reacquisition Loss Percent	
Reacquisition Amortization Life (Mon.	
Issue Discount	
Issue Day	
Retire Day	

Below is a screen print of Edit in Excel using the above settings.

В	L	Μ	Ν	0
Bonds - Detailed Model - Base Attribute Case	Interest Rate (Fixed)	Interest Payment Month (1-12)	Number of Months Between Payments	New Issue Principal
2015 CHI Forecast Bond 1 - 4.00% Issue 1/1/2015	4.00	7	6	\$100,000
2015 CHI Forecast Bond 2 - 5.00% Issue 9/1/2015	4.00			
2016 Forecast Bond 4% 2/1/2016	4.00			
CHI 4.50% FMB due May 15, 2015	4.50	1	6	\$150,000
CHI 5.00% FMB Due July 2, 2042 (Planned)	5.00	1	6	\$400,000
CHI 5.5% FMB due Nov 1, 2035	5.50	5	6	\$75,000
CHI 5.5% Senior Notes due May 15, 2017	5.50	1	6	\$25,000
CHI 5.625% PCB due May 15, 2033	5.63	9	6	
CHI 5.75% Due Jan 5, 2040 (Planned)	5.75			\$600,000
		-	_	

Assign Keyboard Shortcuts to Menu Items

Users can assign keystrokes (CTRL plus a keyboard character) to any UIPlanner menu item.

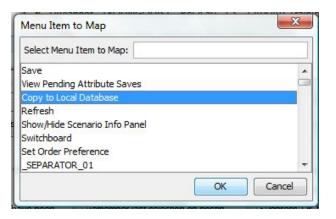
Below are the system-defined shortcuts.

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Create	💢 Remove
Key Event	Menu Item
Ctrl-S	View Pending Attribute Saves
Ctrl-W	Close Window (Dialog or System)
Ctrl-X	Close Current Tab
Ctrl-Y	Close All Other Tabs
Ctrl-PageDown	Select Next Open Tab
Ctrl-PageUp	Select Previous Open Tab
F1	Launch Online Help for Current Screen

To add a new shortcut

Click on the CREATE button to designate a new shortcut:



Select a menu item and click OK to move to the next step:

Keyboard Shortcut to Launch Copy to Local Database	X
Keyboard Shortcut to Launch Copy to Local Database:	
I	
3	
к	
Left Brace	
Left Parenthesis	
Less	
M	-
	OK Cancel

Select the desired character and click OK. The shortcut will be added to the list.

Assign Keyboard Shortcuts to Menu It	
Create	🔀 Remove
Key Event	Menu Item
Ctrl-S	View Pending Attribute Saves
Ctrl-W	Close Window (Dialog or System)
Ctrl-X	Close Current Tab
Ctrl-Y	Close All Other Tabs
Ctrl-PageDown	Select Next Open Tab
Ctrl-PageUp	Select Previous Open Tab
F1	Launch Online Help for Current Screen
Ctrl-L	Copy to Local Database

The shortcut will be enabled the next time the user enters the system.

To delete a user-defined shortcut combination, select it in the table and hit the Remove button. Note – the system-defined shortcuts cannot be deleted.

Output Options Tab

The Output Options tab of the Preference Manager is used to define certain settings for user outputs. This tab is primarily relevant to Financial Model and Strategic Model scenarios.

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Preference Manager	×
System Behavior Output Options Delete/Copy Preferences	
Define Model Output	
Pull Reporting	
Pull Reports Folder: C:\UIPlanner\Pull_Reports	<< Browse
Pull Reports: Export-Months & Years	Pull Reports: Export-Years only
Erase Exported Report results from prior exports.	Enable Pull-Report Drilldown Listener
Frase All results for scenario from prior exports. Note: Network deletes can take a LONG time.	Enable UIPut & Run from Excel (Strategic Model)
✓ Include line reference with line label (X:[Income] vs Income)	
For Run from Excel Option, select:	
Scenario to run from Excel: Case for	saving data from Excel: Report Batch for saving Pull Reports:
2012 Base Plan - Training	Financial Report Package 🔻
Enter date for debug pivot tables (YYYYMM): 2016/01 🔲 Write console messages to	temp file
Optional - Select TEMP folder. Note: A local disc folder is faster than a network folder. Default is	C:\Users\TYoungquist\UIPlanner\temp
Temp Folder: C:\UIPlanner\Temp	<< Erase
	OK

The top region is where the user can define their preferences for sending data to pull reports, as well as settings for the Strategic Model Excel interface (if applicable).

Pull Reports

- Pull Reports folder: To define the user preference for sending pull report data, browse to select a folder. Note that this selection can be overridden at the batch level in Browse Reports.
- Pull Reports: Months & Years vs Years Only select one of the two options, to send both monthly and annual data or just annual (saves space). Most users send monthly and annual.
- Erase Pull Report Text Results From Prior Reports if checked, when sending a pull report dataset, it will first erase prior exports from that scenario, to avoid possible obsolete data. Note that accompanying this option are drop-down lists for selecting the Scenario, Case and report batch needed for the Strategic Model to run from Excel.
- Enable Pull Report Drilldown Listener no longer used.

Strategic Model

- Enable Ulput & Run From Excel Option– this option is available on the Strategic Model. If checked, the model will listen for data sent from a Pull Report, and will save that data. With the Run from Excel option, the model will rerun and send out revised Pull Reports.
- » Run from Excel Option, make selections from the following drop-down lists:
 - » Scenario to run from Excel
 - Case for saving data from Excel
 - » Report Batch for Pull Reports

There are three additional settings or choices on this tab:

Enter Date for Debug Pivot Tables – when the user sends Debug reports to Excel (see Group Reports), the pivot table will be initialized with a date. To set the date, put yyyymm in this text box. Once the pivot table opens, the user can select any date – this is just to initialize it.

Write Console Messages to Temp File – if this checkbox is checked, the Java Console messages will be written to a file in the temp folder.

Temp Folder - The default location for the UIPlanner/Temp folder is indicated here. If the user wants to select an alternate folder, click in the box to browse and select a folder. To erase the selection and use the default setting, click the Erase button.

Delete/Copy Preferences Tab

Preference Manager		X
System Behavior Output Options Delete/	Copy Preferences	<u>N2.</u>
Manage My Preferences		Force Remove Edit Lock
X Delete All Preferences	X Delete Selected Preferences	🗶 Remove User's Lock 🛛 🕒 Manage Sequence Sets 🔹 🗸 🔗
Copy User Preferences		
This process first deletes all existing pref Copy preferences to UIDEMO from:		erences. ck to confirm then Copy
		ОК

From the Preference Manager screen a user can either delete all of their User Preferences or just delete certain ones. Generally, a user would delete preferences if they are encountering an error in UIPlanner that appears to be related to the system trying to enable a certain screen or tab. Deleting preferences resets the system settings to the UIPlanner defaults.

DELETE ALL PREFERENCES

Generally, a user would choose to delete all of their preferences if they are encountering an error in UIPlanner that appears to be related to the system trying to enable a certain screen or tab. Clicking Delete All Preferences will delete all of the User Preferences from the current and previous sessions. The user will not be prompted to confirm this action after clicking the Delete button and there is no restore feature.

The next time the user logs in, the system will behave as if this is the first time the user has logged in – no tabs will be open, and the user will enter the first scenario in the list.

Note: Using the Model Security screen the System Administrator can delete all user preferences for a specific user. For example, if a user is having problems entering the system due to a screen issue, the System Administrator can delete all user preferences for him/her.

DELETE SELECTED PREFERENCES

If the user knows a specific preference or screen that they want to delete (but keep all others) clicking on this button will allow them to delete only certain preferences rather than ALL preferences, as described above. Generally, the user will use

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this option to delete preferences related to a specific screen. For example, if the user is encountering an error whenever they open a specific screen, they might just delete those preferences to remove any invalid selections. To delete select preferences for a specific screen or form, Click Delete Selected Preferences. This will bring up a dialog that lists all preferences, by form (screen).

Form	Key	Value	Delete/U	Restore	
JOENNIGED LION	I KEI _DOEN_OKOOI	20010520	1000	1	1
SCENARIOEDITOR	CASES	153			
SCENARIOSELECTIONDIALOG	HEIGHT	497			J
SCENARIOSELECTIONDIALOG	YPOS	89			
SCENARIOSELECTIONDIALOG	XPOS	77			1
SCENARIOSELECTIONDIALOG	WIDTH	893			1
SCENARIOSELECTIONDIALOG	SPLIT	665			1
SCENARIOSELECTIONDIALOG	RECENT_SCENARIO1	30572651			1
SCENARIOSELECTIONDIALOG	RECENT_SCENARIO0	192			1
TIMEDEPENDENTEDITOR	YPOS		1	33	1
TIMEDEPENDENTEDITOR	INPUTONLY		1	true	1
TIMEDEPENDENTEDITOR	LAST_REPORT		1	10498	1
TIMEDEPENDENTEDITOR	12327EDIT_DISPLAY_ORDER		1	1	1
TIMEDEPENDENTEDITOR	HEIGHT		1	598	1
TIMEDEPENDENTEDITOR	WIDTH		1	624	1
TIMEDEPENDENTEDITOR	10498EDIT_DISPLAY_ORDER		1	1	1
TIMEDEPENDENTEDITOR	11355EDIT_DISPLAY_ORDER		1	1	1
TIMEDEPENDENTEDITOR	XPOS		1	79	1
WORKPLANMANAGEMENTPANE	GROUP_BY_MILESTONE_OR	By Milestone	100		1

Click on the Form column to sort the preferences by form. Scroll to find the form/screen to purge.

To delete a specific preference, check the delete box next to each of preferences for that screen. To undo the delete,

uncheck the box. When this window is closed, the checked preferences will be deleted. Note - as with Delete All, there is no confirmation dialog.

Note: the user can search any column by right clicking on the header. This will bring up the following dialog. Type in a text string and click OK. This is helpful if is the user does not know the underlying internal name for a screen/form.

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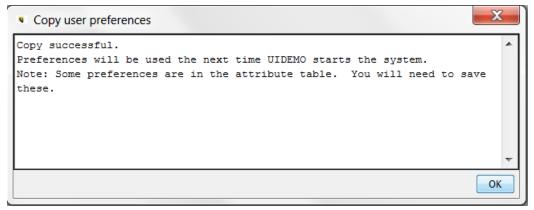
COM.UTILINC.PLANNER.UI.RE YPOS 274 REPORTSEQUENCEEDITOR LR305593331 GOG COM.UTILINC.PLANNER.WOR MILESTONE-ST 1 COM.UTILINC.PLANNER.WOR REPORTSEQUENCEEDITOR LR305593332 1212 TIMEDEPENDENTEDITOR LR305593332 1212 TIMEDEPENDENTEDITOR VPOS COM.UTILINC.PLANNER.WOR REPORTSEQUENCEEDITOR LR30550 1 REPORTSEQUENCEEDITOR 43050.ENT 112 REPORTBATCH ESAC2066 1 Ch Table Containing: time	Form	Key	Value	Delete/Undelete	Restore Value	
Inclustical Construction Inclustical Construction COM.UTILINC.PLANNER.WOR MILESTONE-ST REPORTSEQUENCEEDITOR LR305593332 1111 Image: Construction REPORTSEQUENCEEDITOR LR305593332 1111 Image: Construction REPORTSEQUENCEEDITOR LR3050.6NT REPORTSEQUENCEEDITOR 43050.ENT 112 Image: Construction REPORTBATCH ESAC2066 1111 Image: Construction REPORTBATCH ESAC2066 1111 Image: Construction Reportsequence Image: Construction	COM.UTILINC.PLANNER.UI.RE	YPOS	274		1	
COM.UTILINC.PLANNER.WOR MILESTONE-ST 1 REPORTSEQUENCEEDITOR LR305593332 1212 TIMEDEPENDENTEDITOR YPOS REPORTBATCH ESAC30617650 1 REPORTSEQUENCEEDITOR 43050.ENT 112 REPORTBATCH ESAC2066 1 Ch Table Ext to Search for In Table	REPORTSEQUENCEEDITOR	LR305593331	606	100 E		-
TIMEDEPENDENTEDITOR YPOS REPORTBATCH ESAC30617650 REPORTSEQUENCEEDITOR 43050.ENT 112 Image: Comparison of the second of the secon	COM.UTILINC.PLANNER.WOR	MILESTONE-ST	1	1		1.00
REPORTBATCH ESAC30617650 1 Image: Comparison of the second	REPORTSEQUENCEEDITOR	LR305593332	1212		2	
REPORTSEQUENCEEDITOR 43050.ENT 112 REPORTBATCH ESAC2066 1	TIMEDEPENDENTEDITOR	YPOS				
REPORTBATCH ESAC2066 1	REPORTBATCH	ESAC30617650	1			
ch Table ext to Search for In Table	REPORTSEQUENCEEDITOR	43050.ENT	112			
ext to Search for In Table	REPORTBATCH	ESAC2066	1	100 E		
	xt to Search for In Table					

COPY PREFERENCES

A user can choose to can copy all of another user's preferences to their own. They may do this if they have deleted all of their preferences and want to set them to mirror an existing user. Or in the case of a new user, he/she may want to have preferences set for them.

Preference	Manager		
System Behavi	or Output Options Delete/C	Copy Preferences	
Manage My P	references		Force Remove Edit Lock
X De	elete All Preferences	X Delete Selected Preferences	Remove User's Lock
		rences, then copies another user's preferer	nces. o confirm then Copy

To copy preferences, select the user to copy from, and select the checkbox to confirm. Then, click Copy. This action will first delete all User Preferences, and then copy from that user. The user will be presented with an informational dialog.



FORCE REMOVE EDIT LOCK

UIPlanner maintains internal control over certain key structures to ensure only one user is editing at a time. This is currently implemented for the following:

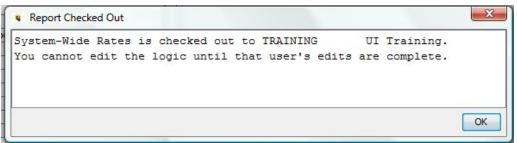
Calculations - if two users were simultaneously editing the same calculation, one user may delete lines and then hit Save. The other user might be editing those same lines – when they hit save, the lines would be gone.

Manage Sequences screen - One user might remove or reorder reports, and the other user may also reorder, but the reports would be gone.

Note that there is also control over Filters, but this is managed through a Check-out and Check-in process. See Manage Filters.

The system has an underlying 'lock' mechanism. Whenever a user opens a report in the Calculation Editor in Edit mode, the system puts a lock on that report. One key thing to note is that this lock is report-specific. Multiple users can have the Calculation Editor open at the same time, as long as they do not try to simultaneously edit the same report.

While they have the Calculation Editor open, if another user tries to also edit that calculation, they will get a notification that it is locked, and the Editor will open in View mode.



Once the first user closes the Calculation Editor, the lock is released. However, if the user does not close the Editor, or leaves their machine and it is critical that the second user be able to edit the report, they can use the Remove User's Lock button on the Preference Manager to force a delete of the edit locks on a report. Select the report using the drop-down list (note the Search button), then click Remove User's Lock. This will purge any locks on that report and it will be available for editing. See below.

Force Remove Edit Lock		
🛛 💥 Remove User's Lock	Remove Zeros	- 1
	🗏 Manage Sequence Sets	
	🗎 Wrapper Tree	
	📄 Wrapper Tree	
Conv	📄 Inputs - Jur x LE x Rate-Class	
Сору	Remove Zeros	
	Results (000's)	
	📄 Rates	
	Electric Revenue Schedules	T

The same rules and delete process are followed for the Manage Sequence Sets screen. It appears first in the list.

User Session Preferences

UIPlanner 'remembers' user's choices and screen settings, so that they are available the next time the user enters the system. Some typical user session preferences are:

- >> Scenario selection the scenario the user is in
- **Department Tree** in a Budget System, which node in the tree the user had selected.
- **Tabs** which tabs are open, and the selections on each.
- **Modal Dialogs** size and position. For example, the size and position of the Time Data Editor

- » Browse Reports all of the selections on Browse Reports
- **Time Data Editor** all of the selections on Time Data Editor, by report

There are several Financial Model-related items that are not saved as user session preferences.

Run Sequences - the sequence and report selections are set during the current user session. Each time the user reopens the model, the sequences and report selections are reset. Also the checkbox for the User Time Data case.

Browse Reports - if the user had made any selections of lines to view on various reports, these are reset each session.

User Preferences are stored in the UIP_PREFERENCES table, by User ID. Note that User Preferences are saved automatically, and do not show up as Pending Attribute Saves. Users can delete their preferences in the Preference Manager, or the System Administrator can copy another user's preferences over to a given user, in Model Security.

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Data Location

The purpose of this section is to provide guidance on where data and settings in UIPlanner are stored. As indicated in Scenarios and Cases, all data in is stored in cases (of different types), and scenarios are merely assemblages of various cases. The case types are:

- » Formula Business logic
- Attribute Attributes of entities and various settings cases
- Time Data (multidimensional, overlay, incremental, actual) Monthly numerical data
- >> Tree Hierarchies Department, Cost Element, Project, etc.
- Interface Mapping codes for translating external data
- Zero case settings that cross all scenarios (e.g., security)

Also, some data is stored in separate tables in the database and are not dependent upon cases.

Case is key for attributes and time dependent data, since this is core to UIPlanner's winner logic capability. Entity attributes and associations, can be stored in the Base Attribute case or in an Overlay Attribute case, and the UIPlanner winner logic determines the ultimate value. Likewise, time data can be stored in any time case, and the winner logic will determine the ultimate value. See Scenarios and Cases (Winner Logic) for more information.

However, part of the flexibility of UIPlanner is that the underlying business logic is also stored in cases, rather than in code. This makes it accessible to and changeable by the users. Examples of the business logic that are stored in cases include report logic, sequence sets/rule sets, task definitions, data import definitions, etc. Knowing where in UIPlanner various structural data elements are stored allows users to understand the system better and to make better use of the scenario and case structure. For example:

- It is important to know what data is stored in the Formula case and in the Base Attribute case, as this can impact what users see when they work with scenarios that may not use these same cases (as in a snapshot, which has the Base Attribute and Formula cases as of a point in time.
- >>> It is likewise important to know what data is common to all scenarios, such as security settings or scenario definitions.
- Finally, being aware of data location helps in debugging issues and analyzing scenario differences. This section will provide guidance on how to find where data is stored.

Versions

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When users log into UIPlanner, they log into a specific Version. All tables in the UIPlanner database have Version Number as one of the columns. Versions are a mechanism for archiving the entire implementation as of a point in time.

Objects created in one Version (Entities, Reports, Datasets, etc.) exist only in that version. If a Version is copied (e.g., Version 1 – the active version - is copied to become Version 201603 – a backup), all data in is copied to that new version, including all Object IDs. However, if objects are subsequently created in Version 1, they are not duplicated to other versions.

See Manage Versions for information on creating Versions.

Zero Case

The Zero case contains attribute information that is available across all scenarios in the version. It is in the UIP_

ATTRIBUTE table. The purpose of the Zero case is to hold information that needs to be available regardless of what scenario a user logs into. Examples of information that is contained in the Zero case include:

- >>> Scenario definitions case lists, ordering, scenario settings, locked switch
- Cases case names, case visibility, locked switch
- >>> User Security settings
- Menu structures
- Planner Properties
- Special Types
- Scenario Groups and Case Groups
- Linking attribute definitions to Entity Groups

If there is no case name or Object ID on an attribute record, this indicates the Zero case.

Case	Q1	Q2	Q3	Q4	DB Value	Last Updated On	Last Updated By
Base Attribute Case	Labor Summary 2	Report Style Elements	Sequence: 2	2015 Official Budget	0	2015.11.01-11:17	TYOUNGQUIST
Base Attribute Case	Comparison to Actual	User-defined Excel Format	Sequence: 24	2015 Official Budget	1	2014.01.27-07:07	UIDEMO
	2015 Official Budget	Scenario: Type (Model, Budget, St			Budget	2013.06.15-22:59	NYCPROJECT
	2015 Official Budget	Scenario: Selected Calculation Se			AFUDC	2013.06.15-22:59	NYCPROJECT
	2015 Official Budget	Scenario: Ordered Case	Budget Common At		-10000098	2013.06.15-22:59	NYCPROJECT
	2015 Official Budget	All: Order			-11	2013.06.15-22:59	NYCPROJECT
	2015 Official Budget	Scenario: Ordered Case	Rollups		-10000098	2013.06.15-22:59	NYCPROJECT
	2015 Official Budget	All: Name			2015 Official Budget	2014.11.11-06:23	TYOUNGQUIST
	2015 Official Budget	Scenario: Ordered Case	Model Time Data (-10000094	2013.06.15-22:59	NYCPROJECT

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Note - Users do not directly add or modify data in the zero case. Data is automatically added or changed in the zero case when those items are added or changed. For example, when a user modifies scenario settings or adds a user, the relevant items in the zero case are modified.

Attribute Cases

All attribute data in UIPlanner is stored in the UIP_ATTRIBUTE table. Attribute cases store data that does not change over time. The attribute data that is most visible to users includes:

- Entity names, visibility and ordering
- » Entity associations and attributes
- Model Postings

These attributes can be stored in any attribute case. Most commonly they will be put in the Base Attribute case, but users will make use of overlay cases (and winner logic) to do what-ifs. However, there are other kinds of data that are always stored in the Base Attribute case. This includes various configuration-related items. See below.

Base Attribute Case

As indicated above, some kinds of attribute data is always stored in the Base Attribute Case. Much of this attribute data is data that is related to constructing objects within UIPlanner. This includes the following:

- B2 Report Views
- Filters (Compound and Entity)
- Task Definitions
- Switchboard Definitions
- Data Import Definitions
- Wrapper definitions
- Validation Rules
- Model Ledger Accounts
- ^{>>} Group Reports (Model) certain report settings (consolidation option, iterations, tolerances, etc.)
- Model Import Profiles

- » Report Column Sets
- Report Formatting

The reason for this was that these kinds of attributes are so critical to the scenario structure that they belong in the base attribute case (which is generally shared across many related scenarios). Also, the Base Attribute case was chosen for types of data that users would not want or need to do what-ifs on, such as task definitions, switchboard settings, or report formats. This also avoids the chances that users would change this data in an overlay case and then remove that case. For example, if Model Ledger Accounts could be created in an overlay case, users could remove that case and postings to those accounts would create an error.

Note – when new entities are created, the default is to have the Name, Visibility and Order stored in the Base Attribute Case. However, by user request, there is a Planner Property to allow users to create new entities in an overlay attribute case. The reason is that a specific implementation may want to limit the creation of entities in the Base Attribute case, as it may be shared among multiple scenarios. Users could then create entities only visible in their own attribute case.

Overlay Attribute Cases

Most attribute data that users will change can be stored in any attribute case including the Base Attribute Case. This includes:

- Entity Attributes and Associations
- » Object Name, Visibility, Order
- Group Reports (Model) certain settings, such as the report actuals date
- Model Postings

These kinds of attributes are the kinds that users may do what-ifs on, such as different Planning Entity rollups or Bond attributes (Model) or Project in-service dates (Budget).

Formula Case

The formula case is seen broadly as where the core business logic is stored. This includes the logic in all UIPlanner reports and the sequences/rule sets that link them together. This includes:

- Report calculation logic.
- Report sequences and settings

^{>>} Group Reports (Model) – certain settings, such as Entity Group(s), monthly/annual settings, extra years to run, etc.

Along with Report logic, there are some other types of data that are stored in the Formula Case. This includes

Grid Instance settings

Postings

Multidimensional Postings - Multidimensional Postings are by default stored in the Formula Case. In early UIP implementations they were stored in the Base Attribute case. There is a Planner Property to allow clients to continue to store them in the Base Attribute Case. For clients wishing to move B2 Postings to the Formula case to be consistent with the current approach, there is a Switchboard Class to do this.

Model Postings - Note that while the report logic is stored in the formula case model postings are stored in an Attribute case.

Time Data Cases

All Time Data in UIPlanner is stored in the UIP_TIME_DATA table. Time Data is data that can change by month; it is stored by Year and 12 months across. Below is an example from a Financial Model scenario. Note the number of dimensions.

 Existing data from 	database							n ()		setters, it									х
Case	Qualifier 1	Qualifier 2	Qualifier 3	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Date	User ID	
2016 - 2020 Base Plan	Fuel Expense Report	F:[Generation Gas Cost]	Chicago Electric	2015	7,500	7,500	7,500	7,500	7,500	8,000	8,000	8,000	8,000	8,000	8,000	8,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	G:[Generation Hydro Cost]	Chicago Electric	2015	150,000	150,000	150,000	150,000	150,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	E:[Generation Coal Cost - Contract]	Chicago Electric	2015	172,000	172,000	172,000	172,000	172,000	173,000	173,000	173,000	173,000	173,000	173,000	173,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	D:[Generation Coal Cost - Spot]	Chicago Electric	2015	15,000	15,000	15,000	15,000	15,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	E:[Generation Coal Cost - Contract]	Chicago Electric	2016	172,000	172,000	172,000	172,000	172,000	173,000	173,000	173,000	173,000	173,000	173,000	173,000	2016.03.15	UIDEMO	1
2016 - 2020 Base Plan	Fuel Expense Report	F:[Generation Gas Cost]	Chicago Electric	2016	7,500	7,500	7,500	7,500	7,500	8,000	8,000	8,000	8,000	8,000	8,000	8,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	G:[Generation Hydro Cost]	Chicago Electric	2016	150,000	150,000	150,000	150,000	150,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	D:[Generation Coal Cost - Spot]	Chicago Electric	2016	15,000	15,000	15,000	15,000	15,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	G:[Generation Hydro Cost]	Chicago Electric	2017	150,000	150,000	150,000	150,000	150,000	145,000	145,000	145,000	145,000	145,000	145,000	145,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	F:[Generation Gas Cost]	Chicago Electric	2017	7,500	7,500	7,500	7,500	7,500	8,000	8,000	8,000	8,000	8,000	8,000	8,000	2016.03.15	UIDEMO	-
2016 - 2020 Base Plan	Fuel Expense Report	D:[Generation Coal Cost - Spot]	Chicago Electric	2017	15,000	15,000	15,000	15,000	15,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	2016.03.15	UIDEMO	
2016 - 2020 Base Plan	Fuel Expense Report	E:[Generation Coal Cost - Contract]	Chicago Electric	2017	172,000	172,000	172,000	172,000	172,000	173,000	173,000	173,000	173,000	173,000	173,000	173,000	2016.03.15	UIDEMO	-
2016 - 2020 Base Plan	Fuel Expense Report	E:[Generation Coal Cost - Contract]	Chicago Electric	2018	172,000	172,000	172,000	172,000	172,000	173,000	173,000	173,000	173,000	173,000	173,000	173,000	2016.03.15	UIDEMO	-
												Decimal p	laces to Dis	play:	•				

Below is an example from a Multidimensional Dataset. Note the number of columns (dimensions).

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Department	Resource Categ	SubResource	Job Class	Labor Component	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 20	Jun 2016	Jul 2016	Aug 20	Sep 20	
Information Technology	Non-Union	Salaried	Manager	FTE	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	_
T&D Engineering	Non-Union	Salaried	Accountant	FTE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
T&D Engineering	Non-Union	Salaried	Accountant	Work Hours	125.0	100.0	101.0	168.0	154.0	96.0	162.0	112.0	133.0	
Arturo	Union	Hourly	Crew Leader	FTE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Jackson	Union	Hourly	Material Handlers	Non-Productive Hours	0.0	8.0	0.0	8.0	8.0	16.0	16.0	0.0	0.0	
Human Resources	Non-Union	Salaried	Senior Managers	FTE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Arturo	Union	Hourly	Crew Leader	Work Hours	446.0	331.0	362.0	339.0	383.0	351.0	427.0	294.0	321.0	
Jameson Generating	Union	Hourly	Field Craftworkers	FTE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Human Resources	Non-Union	Salaried	Senior Managers	Total Dollars	5617.0	6929.0	4100.0	5904.0	4141.0	3854.0	5576.0	6068.0	5986.0	
Jackson	Union	Hourly	Crew Leader	FTE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
St. James	Union	Hourly	Engineer	Hourly Rate	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	
Jackson	Union	Hourly	Crew Leader	Work Hours	135.0	104.0	99.0	154.0	94.0	112.0	150.0	161.0	158.0	
Human Resources	Non-Union	Salaried	Senior Managers	Work Hours	137.0	169.0	100.0	144.0	101.0	94.0	136.0	148.0	146.0	
Information Technology	Non-Union	Salaried	Director	Hourly Rate	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	
Arturo	Union	Hourly	Material Handlers	Non-Productive Hours	0.0	8.0	0.0	8.0	8.0	16.0	112.0	0.0	0.0	
Jameson Generating	Union	Apprentice	Electrician Apprentice	Hourly Rate	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	
Information Technology	Non-Union	Salaried	Senior Managers	Work Hours	158.0	136.0	168.0	136.0	95.0	129.0	154.0	153.0	151.0	
Information Technology	Non-Union	Salaried	Senior Managers	FTE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Huron	Union	Hourly	Lineman	Non-Productive Hours	0.0	8.0	0.0	8.0	8.0	16.0	16.0	0.0	0.0	
4		la contra de la co	- · · ·		E A	14 A	1	1		1	1	1	1 n	

There are several different types of time data cases.

- » Multidimensional Multidimensional time dimensional cases populate datasets with flexible numbers of dimensions.
- Time Data Overlay The data in a time data overlay case will supersede the identical lines of data in other data cases before it in the case list. A special type of time data overlay case is the User Temp Data Case. This case contains data specific to the active scenario and is visible to the active user only.
- Time Data Incremental The data in a time data incremental case will add to or subtract from data that is contained in other cases before it in the case list.
- Actuals holds actual (historical) data, as opposed to Overlay or Incremental data cases which generally contain forecasted data.

See Winner Logic in Scenarios and Cases for information on how cases work together within a given scenario.

Tree Cases

Tree Cases store hierarchical structures used in Multidimensional (Budget) or Customer Revenue implementations, such as departmental, cost element, or account rep rollups. Budget and CREV scenarios have a default Tree Case, as defined in Manage Scenarios. However, other tree cases are available, such as in Manage Multidimensional Filters.

Data stored in the Tree Case is visible in the Tree Editor. It is not accessible through the Rapid Data Finder or the Core Object Editor.

龍 Tree Editor	x
Select or Creat	e Rollup Tree
Entity Group:	Department
Edit	
008: Internal A	udit 🔹 👻
	: Corporate DR: Customer Care 238: Call Center 238: Call Center 006: Customer Care 114: Marketing 17: Corporate D2R: Finance 008: Internal Audit 024: Tax 028: Controller 028: Controller 027: Treasurer 076: Strategic Planning D3R: Corporate Services 50R: Energy Services 55R: Power Marketing : Utility Operations

Instance Table

A core structure of UIPlanner is the Object ID, which is a unique identifier for all objects in the database. These are maintained in the UIP_INSTANCE table, to ensure uniqueness. This table is not normally accessible to users. However, when an object is created, the record to be inserted in the Instance Table is indicated. Once it has been added, it is assigned an Object ID.

Do you want to	save?	19-19-3	Autor of Sparts, Spinster	Terrent Start	promite size (triler), bit		X
Case	Q1	Q2	New Value	DB Value	Last Updated On	Last Updated By	Un-do/Re-do
Base Attribute Case	NEW BOND	All: Visible	1		0	UIDEMO	
Base Attribute Case	NEW BOND	All: Parent	Bonds - Detailed Model		0	UIDEMO	
Base Attribute Case	NEW BOND	All: Name	NEW BOND		0	UIDEMO	
Base Attribute Case	NEW BOND	All: Order	36.0		0	UIDEMO	
New/Updated Item		Entity	NEW BOND		2016.03.15-08:28	UIDEMO	
		Ν					
Show: V Name	Object Id 📄 Object T	ype				Save	Close Un-do All

Х

Note that when an object is deleted from UIPlanner, it is removed from the Instance Table. Since all other tables in the active version refer to the Instance Table for the list of valid object IDs, that object will be removed from all scenarios.

Thus deleting an object just because it is not used in a specific scenario (e.g. a retired bond) can have unintended consequences, as it will also be removed from all other scenarios, including ones where it was previously used. For this reason, it is recommended that users use Visibility (Core Object Editor) to manage objects not needed in the current scenario. Depending upon the scenario structure, visibility can be set in an overlay attribute case, or in the Base Attribute case.

User Preferences

User preferences are stored in their own table in the database (UIP_USER_PREFERENCES). The information in this table is available to all scenarios and is accessed at the time a user logs into UIPlanner. User Preferences are automatically saved to the database; they do not appear in View Pending Attribute Saves.

Interface Cases

Interface mapping cases contain information used to relate UIPlanner data to external data sources. An example of mapping information would be how general ledger accounts relate to UIPlanner planning ledger accounts, for use in the G/L actuals upload. Interface Cases are primarily used by the Financial Model; multidimensional scenarios and CREV scenarios have other mechanisms for importing and exporting data.

Users can create multiple Interface Mapping cases, to meet specific needs, such as the GL import or export to en external system. Note that unlike the other cases types, Interface Mapping cases are not associated with one specific scenario. Interface Mapping cases are used on the Import and Export screens and are available to any scenario at run time.

Interface codes for a given object are generally viewed from the Core Object Editor.

Sore Object Editor ×		
Select Objects to Edit		
Object Type: Account	V 🖉 🗌 🗌 💭 🔲 Filter By	: 📓 Revenue 🔹 🔗 💿
Object ID Interface Codes Delete Owner Group Visibility Ca	se-Name Order Instance-Name/Code/Order Data Finder Alerts	Admin Locks
Filter to Case Group: All Cases		
Planner Object	Export Mapping	Import Mapping
440.0 440.0 Residential sales.	46626	440
442.0 442.0 Commercial and industrial sales.	46554	442
444.0 444.0 Public street and highway lighting.	46230	444
445.0 445.0 Other sales to public authorities (Major only).	46374	445
446.0 446.0 Sales to railroads and railways (Major only).	46545	446
447.0 447.0 Sales for resale.	46563	447
448.0 448.0 Interdepartmental sales.	46581	448
449.0 449.0 Other sales (Nonmajor only).	46590	449

Use the Rapid Data Finder to see all data in a given Interface Case.

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Rapid Data Finder	×								
Q2: Attributes only:			Updated by:			Updated when:			
		- · · · · · · · · · · · · · · · · · · ·	Any user			Any Date			
			, CJARBOE CHRIS JARBO	DE					
Select Entity Group:			DPREG DAVID PREG			Specific Dates (YYY	YMMDD)		
		▼ 3	FGSMITH FRED SMITH			On or after:	Before:		
		0	GGETZ GARY GETZ			on or arter.	before.		
			GJUNGMAN GREG JUNG	MAN					
					•				Search
Select Entities (if nor	ne are selected, all entity da	ta in the selected c S	Select Cases for Search	(at least one case	must be selected)				
Check All Ur	ncheck All		Check All Unch	eck All 💿 Attrib	oute data 🛛 🔘 Time data	Limit Cases to	Active Scenario		
Select Select Enti	tity		Selected Case						
				tribute Case					
				tribute Overlay					
			G Export M						
			G Import G Report						
			Zero Case	Logic					
	Data Finder	Attribute Date							->
	• Data Finder	- Attribute Data							
	Case	Q1	Q2	Q3	DB Value	Last Updated On	Last Updated By	Delete/U	Indelete
	Import Mapping	173.0 Accrued util	i All: Interface code	Sequence: 0	173	2008.10.29-10:45	DPREG		
	Import Mapping		c All: Interface code	Sequence: 0	136	2008.10.29-10:45	DPREG		
	Import Mapping	107.0 CWIP	All: Interface code		107	2009.04.28-23:14	MBROWN		
	Import Mapping		d All: Interface code	Sequence: 0	144	2008.10.29-10:45	DPREG		
	Import Mapping		n All: Interface code	Sequence: 1	158.1	2008.10.29-10:58	DPREG		
	Import Mapping	807.0 Purchased g	g All: Interface code		807	2008.10.13-21:52	DPREG		
	Import Mapping		n All: Interface code	Sequence: 0	158	2008.10.29-10:58	DPREG		
	Import Mapping		All: Interface code		Benefits - Retired	2008.10.11-13:44	DPREG		
	Import Mapping		All: Interface code		239	2008.10.13-21:52	DPREG		
	Import Mapping		d All: Interface code	C	282	2009.04.28-23:46	MBROWN		
	Import Mapping		i All: Interface code	Sequence: 0	154	2008.10.29-10:45	DPREG		
	Import Mapping		n All: Interface code		428 256	2008.10.13-21:52	DPREG MBROWN		
	Import Mapping Import Mapping		d All: Interface code		256	2009.04.28-23:26 2008.10.29-10:47	DPREG	-	
					203	2008.10.29-10:47	DPREG		
		202 0 Common etc							
	Import Mapping	203.0 Common sto 167.0 Other advar							
			o All: Interface code		167	2008.10.29-10:45	DPREG		
	Import Mapping	167.0 Other advar	All: Interface code					Close	Delete A

Finding Where Data is Stored

Users will often want to know where specific data is stored. This may be straightforward data investigation, such as which attribute case a certain attribute or association is in, or which time data case certain data was entered into. Or it may be more configuration-related, such as where the grid instance settings for a certain scenario are stored.

There are several tools available for finding where a data element is stored. These include:

Core Object Editor (Data Finder tab)

The Data Finder tab on the Core Object Editor can be used to see all data related to a given object. Use the Object Type dropdown list to select the object and hit the Find All Data tab. Below are two examples.

Question – Where are scenario settings are saved and who changed them last? Select Scenario Object, and check the desired one. The Data Finder shows that they are saved in the Zero Case and gives the user info.

ct Type:	Scenario		- /	Filter B	y: O Select a Scenario	Group	- ∕
ct ID Into	rfaco Codos Doloto Own	or Crown Micibility Caco-Nar	ne Order Instance-Name/Code/Order Da				
	rface Cases	Include formula Case	Find		Search & !	Select	🔗 Find All Data in Databas
ct Nai	me			1		Д	-
	.2 Base Plan - Training						
	4 - 2018 Budget						
	4 - 2018 Budget 4 - 2018 Capital Forecast						
							X
 Data F 	Finder - Attribute Data					_	<u>^</u>
Case	Q1	Q2	Q3	DB Value	Last Updated On	Last Updated By	
	2014 - 2018 Budget	All: Name		2014 - 2018 Budget	2014.11.23-09:05	TYOUNGOUIST	
	2014 - 2018 Budget	All: Order		10.0	2014.11.23-09:05	TYOUNGOUIST	
	2014 - 2018 Budget	All: Visible		1	2016.03.14-12:49	TYOUNGQUIST	
	2014 - 2018 Budget	Case & Scenario: Locke		1	2016.03.15-05:47	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Tree Case	0	2014.11.29-07:59	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Budget Specific Case - 2014-2018 Budget	-10000098	2014.11.29-07:55	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	2016 Budget Revision	-10000100	2016.03.14-12:49	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Actuals	0	2014.11.29-07:52	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Base Attribute Case	-10000100	2014.11.29-07:52	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Budget Multidim	0	2014.11.29-07:52	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Budget Common Case	-10000099	2014.11.29-07:55	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Ordered Case	Report Logic	0	2014.11.29-07:52	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Type (Model,		Budget	2016.03.14-12:58	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: User defined t		Budget	2014.11.23-09:05	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Years to run		0	2014.11.29-07:52	TYOUNGQUIST	
	2014 - 2018 Budget	Scenario: Years to run		0	2014.11.29-07:52	TYOUNGQUIST	

Question – Where are certain Data Import definitions stored and when were they last changed? Select InstanceBudgetImportDefn object and select the desired one. The Data Finder tab shows that they are stored in the Base Attribute Case.

elect Obj	ects to Edit												
bject Typ	e: InstanceBudgetImpor	tDefn			- 1			Filte	r By: 💿 None A	vailable			• 🔗 🗌
			sibility Case-Name Order Instance-Na	10 1 10 1	Data Cinder 11								
-				me/Code/Order					10)(
Include	Interface Cases		Include formula Case			🗧 Find All D	ata			A Search & Selec	t		💞 Find All Data in Database
elect	Name												
	Import Project												
1	HR Import												
1	Budget Data In												
	Vehicles											_	
	Data Finder - Attribute Data												
	· · · · · · · · · · · · · · · · · · ·												
	Case	Q1	Q2	Q3	Q4	Q5	Q6	Q7	DB Value	Last Updated On			
	Base Attribute Case		Target Cluster						All	2012.05.26-14:40		-	
	Base Attribute Case			Sequence: 339	Sequence: 16	Sequenc	Sequenc			2012.10.22-08:33			
	Base Attribute Case	HR Import	Source Type						DATABASE	2012.05.26-14:40			
	Base Attribute Case		Sequence Set for DATA SET Imports							2012.05.26-14:40		=	
	Base Attribute Case		Order Entities from Source						FALSE	2012.05.26-14:40			
	Base Attribute Case		Is Time Data?						TRUE	2012.05.26-14:40			
	Base Attribute Case		Is This Time Data Import in 12-Month						TRUE	2012.05.31-17:47			
	Base Attribute Case		Is This Import for Daily Time Data?						FALSE	2012.05.26-14:40			
		HR Import	Is Actuals?						FALSE	2012.05.26-14:40			
	Base Attribute Case								DATA SET	2012.05.26-14:40	LBETZEL		
	Base Attribute Case	HR Import	Interface Type									- 1	
	Base Attribute Case Base Attribute Case	HR Import HR Import	Include System Key Fields?						FALSE	2012.05.26-14:40			
	Base Attribute Case	HR Import HR Import		Tasks: default					FALSE HR Import FALSE	2012.05.26-14:40 2012.05.28-08:57 2012.05.26-14:40	LBETZEL		

Users could also use the more exhaustive search button for Find All Data in Database. See the Core Object Editor for more information.

View Pending Attribute Saves

A quick way to find out where a specific configuration element is stored is to change the element itself, and then look at View Pending Attribute Saves. Once the question has been answered, just undo the changes and do not save them. Below is an example. The question was where are the Function Arguments saved? Open the Task, and change just that item. View Pending Attribute Saves shows that it is in the Base Attribute Case.

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		Task Name:	Apply All Rates			▼ 8		
		of 2 - Apply New Labor Rates	Scenario for Apply	Step Name: Apply Nev Labor Rates: 🕑 Workin		🔗 30646250, budget c	ase 2147483643	
🔹 Do you w		of 2 - Set Administrative Lockout (On/Off	Depterson instance	West tables which			
	Q1	Q2	Q3	New Value	DB Value	Last Updated On	Last Updated By	Un-do/Re-do
Case		and the second second	. Tasks: default scenario	Working Forecast	2015 Official Budget	2016.03.15-06:09	LBETZEL	[TT]
Case Base Attribute	Case Apply New Labor	Rates Function represented b	. Tasks, derault scenario					

Some words of caution

Be sure not to accidentally save the changes. Take a screen shot beforehand, to provide a backup trail. It is recommended that if available, this should be done in the TEST or DEV environments, or in a local copy.

If the related data is in the Formula Case, it cannot be undone using the Undo command in View Pending Attribute Saves. The user needs to accept the change and then redo it.

Rapid Data Finder

The Rapid Data finder is useful for finding all data in a specific case, or for data related to entity groups. In the example below, it was used to find all data in the Budget Specific case.

Q2: Attributes only:		pdated by: TYOUNGQUIST		Updated when:								
		ny user		Any Date								
Select Entity Group:		ACLAYPOOL BROSENBERG BEN ROSENBERG				Specific Dates (YYYYMMDD)						
		ACOBS COREY JACOBS		On	or after:		Ref	ore:				
		JARBOE CHRIS JARBOE										
	C	PL1 CHRISTINE PETERS		-					St	earc		
Select Entities (if none are selected	all antitudata is the set	ect Cases for Search (at least on		`						_		
				·	_							
Check All Uncheck All		Check All Uncheck All	Attribute data 💿 Ti	me data 🛛 🔽	Limit Cas	es to Active	Scenario					
Select Select Entity	Se	lected Case								_		
,		Base Attribute Case										
		G Budget Common Attributes G 2013 Official Budget Attributes										
		C Export Mapping										
Data Finder - Attribute D	ata	Contract Manager										
· Data Finder - Attribute D	ata	Contraction Carlo			_			_		_		
Case	Q1	Q2	Q3	Q4	Q5	Q6	DB Va	Last Upd	Last	. 0		
2013 Official Budget Attributes	Corporate Services	All: Attribute Value	Locked				1	2015.05.0	TY0	Т		
2013 Official Budget Attributes	Fossil Generation	Budget: Life Cycle History	Sequence: 1	Budget: L			20141	2014.10.1	TY0	Τ		
2013 Official Budget Attributes	Fossil Generation	Budget: Life Cycle History	Sequence: 1	Budget: L				2014.10.1				
2013 Official Budget Attributes	Fossil Generation	Budget: Life Cycle History	Sequence: 1	Budget: L			Approv	. 2014.10.1				
2013 Official Budget Attributes	Fossil Generation	All: Attribute Value	sys-Life Cycle Status				0	2014.10.1				
2013 Official Budget Attributes	Fossil Generation	Comment	Sequence: 0	Budget: L	Sequen	Budget: L		. 2014.10.1		1		
2013 Official Budget Attributes	Jameson Restack Ash Pond	All: Attribute Value	End Date					2014.07.1				
2013 Official Budget Attributes	Jameson Restack Ash Pond	All: Attribute Value	In Service Date					2014.07.1				
2013 Official Budget Attributes	Jameson Restack Ash Pond	All: Attribute Value	Start Date					2014.07.1				
	Labor Calculations by Employee	Process Sequence on Server	Sequence: 1				1	2015.05.0				
2013 Official Budget Attributes			Sequence: 0	Budget: L	Sequen	Budget: L	open	2014.07.1	TY0			
2013 Official Budget Attributes	Utility Operations	Comment								1		
2013 Official Budget Attributes 2013 Official Budget Attributes	Utility Operations	Budget: Life Cycle History	Sequence: 3	Budget: L		-		2014.07.1		+-		
2013 Official Budget Attributes 2013 Official Budget Attributes 2013 Official Budget Attributes	Utility Operations Utility Operations	Budget: Life Cycle History Budget: Life Cycle History	Sequence: 3 Sequence: 3	Budget: L Budget: L			TYOUN	2014.07.1	түо	t		
2013 Official Budget Attributes 2013 Official Budget Attributes	Utility Operations	Budget: Life Cycle History	Sequence: 3	Budget: L			TYOUN		ТҮО ТҮО	ŧ		

See the Rapid Data finder for more information.

Budget Data Finder

The Budget Data Finder can be used to find data in specific datasets.

Context				
Department: All Scenario Type: Show All	▼ Sce	nario Group:	All Scenarios 👻 Scenario: 💿 Working Fore	cast 💌 🖌
🚱 Budget Data Finder 🗙				
Select Data Source:	Updated by:			Search
Project: Project 💌	Any user		▼	Beardin
Select Entity Group:	Updated wh	en:		
Project 👻	Within one of	lay	-	
Check All Uncheck All Select Select Entity		Check . Selected	Uncheck All Vimit Cases to Active Scenario	
Replace Bottom Ash Piping		internal linear li	Model Time Data (n/a - empty)	
Replace Bottom Ash Piping Replace Glycol Heat Exch			G Actuals	
Replace Brn Drv W/ K Drives		V	C Working Forecast Data	
Replace 230kV Gen Cbs S&Tie				
Replace Mill Dynmc Clsfr Dr				
Install Add Furn O2 Probes				
No Project				

See the Budget Data finder for more information

Issues with Data Location

A common issue that users encounter is when they have created an object in one scenario but cannot see it in another scenario. This can happen when the two scenarios do not share the Base Attribute case or the Formula Case. This most commonly happens when users are trying to compare structures in the Working Forecast with those from an earlier snap-shot. Note that when the scenario was snapshotted, the Base Attribute case and Formula case would have been copied (and locked). Any changes or new items in the Working Forecast subsequent to the snapshot would not appear in the snapshot.

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Manage Versions

All of the tables in UIPlanner have a Version number column. Since users log into a specific version, this ensures that changes made in that version do not affect any other versions. For example, deleting entities from Version 1 (from the UIP_INSTANCE table) does not delete them from Version 2. This is an important point, since deleting an entity when in a given scenario in Version 1 deletes it across all scenarios in that version.

The Manage Versions screen allows administrators to copy, delete or rename versions within a given UIPlanner instance. Note that there is a variant of the Manage Versions screen for Shared Table implementations whereby the user can copy versions across different UIPlanner instances. This creates a new version and makes it available across all instances. This makes available the shared entities in that version.

Version Management

Users will typically use the version capability to make a backup or archive of the current version. Once this is done, they can then do cleanup work. They can delete unneeded cases, scenarios or entities from the active version. Users will typically keep the active version as Version 1 (or another low number). This makes it easier for user login.

For Version numbering, users will typically number the version in a date format – either the date taken or the scenario time frame. The version number must be a number, but this allows some flexibility. Below are some examples:

Version Number	Version Name
1	Active Version
201509	Archive September 2015
201510	Archive October 2015 - Board Retreat
201512	Archive FY 2015
201603	Archive Q1 2016 - made 2016-04-25
20160801	Archive July 2016

Cross-Version Functionality

Even though Versions are separated within the database, UIPlanner has cross-version reporting capabilities.

- Pivot Reporting allows Compare across Versions. See Pivot Reports.
- Financial Model Browse Reports allows scenario compare reporting across versions. See Browse Reports.

User Login - Version

When users log into UIPlanner, they log into a specific Version number. All changes made during that session are stored in that Version. The version is remembered as a user preference – if the user logs into Version 1, then the next time they log in, the login screen will default to Version 1.

If user has checked the Look Up Version names checkbox, the drop-down list will display the available versions along with their names. The user can select a version from the drop-down list.

Login to UIP	lanner Versi	on J Release 10.08.T Utilities Interna	tional, Inc.
Provide Login Inf	ormation		
Login Id:	UIDEMO	Use VPN Planner Properties	🔽 Look up Version Names (next login)
Version #:		Active Version	▼ 🔗
Database Type:		509: Active Version	
Provide Databa	se Connection 201	510: Archive Test 2 603: Archive FY 2015	
Database URL:		rver://localhost\SQLLOCAL:1433;databasenar	me=Test
Database Login	: uip		
Database Pass	word:	•	

Manage Versions Screen - Non-Shared Table

 Manage Versions 	5		×
		Enter integer number - no characters or decimals.	Select Scenarios
Enter version number t	o create:		Copy active version: 1
Do NOT copy publis	shed Datasets	Do NOT copy published Model scenarios	ALL Scenarios will be copied
Enter Version number t	to Delete:		
Re-enter Version numb	er to Delete:		< > Delete version
Version Number	Version Name	e	
201603	Archive FY 20	15	
1	Active Version	1	
201510	Archive Test 2	2	
201509	Active Version	1	
			ОК

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Above is the Manage Versions screen for non Shared Table implementations.

Note that this screen is also available in Shared Table implementations. However, it should be noted that versions copied will only be accessible in that instance. In Shared Table implementations, the Manage Version screen in each specific instance creates an unplugged version for just that one instance. Shared entities will be copied into the UIP_INSTANCE table in the new version. There will no longer be any shared entities from the perspective of the new stand-alone instance.

The top region is where users initiate the Copy Version or Delete Version actions. For Version Copy, there are options for excluding Published Datasets and Published Model scenarios, and for selecting which scenarios to copy.

The bottom region of the screen is a grid that lists all Version Numbers and names. This is where users can rename a version. The versions can be reordered by clicking in the header.

The Manage Version screen is a modal window. It is typically launched from the Menu Item. The ability to manage versions is an administrative option – see below under Security.

Copy Version

The user can only copy the active version (the version that the user is currently logged into). To copy a different version, the user should exit UIPlanner and log into that version.

To copy the active version:

- Enter a new version number in the box. This must be an integer between 1 and 16347, and cannot be an existing version number.
- Click the Copy Version button

This will copy the active version along with its name and give it the number entered. The dialog will list the progress of the copy process, and when the copy is complete, there will be a confirmation dialog.

Copy Version Messages	X
Copying Version 1 to 201607 at 20160729182949	
Copying UIP_FILES Published Datasets, pubs to check: 11	
Copying Rollup Table data	
Copying Budget SECURITY_OBJECTS Table data (if available)	
Copying Budget SECURITY_RIGHTS Table data (if available)	
Copying Budget SECURITY_RIGHT_VALUES Table data (if available)	
Copying Budget SECURITY_ROLES Table data (if available)	
Copying Budget SECURITY_ROLE_RIGHTS Table data (if available)	
Copying Budget SECURITY_ROLE_VALUES Table data (if available)	
Copying Budget SECURITY_USER_RIGHTS Table data (if available)	
Copying Budget SECURITY_USER_ROLES Table data (if available)	
Copying Budget UIP_BUDGET_COMMENTS Table data (if available)	
Copying Budget UIP_COMMENTS Table data (if available)	
Copying UIP_TRANSACTION_DATA Table data (if available)	
Copying UIP_FILES Table data (if available)	=
Copying UIP_FILES Table data (Excl. Pub)	
Skipping UIP_FILES Table Published Scenarios	
Copying UIP_TD_TEXT_ATTRIBUTES Table data (if available)	
Copying UIP_TD_ARCHIVE_ENTITY_LIST Table data (if available)	
Copying Customer Account data	
Copying Instance Table data	
Copying Attribute Table data (214,400 rows)	
Copied 214400 Attribute Table rows	
Copying Time-data Table data (948,461 rows)	
Copied 948461 Time Data Table rows	
Copying User Preference data	
Finished creating version	
Finished at 20160729183117	-
	ОК

In the example below, the active Version is 1, and the number entered was 201607.

		Enter integer number - no characters or decimals.	Select Scenarios
Enter version numb	er to create:	201607	<< Copy active version: 1
Do NOT copy published Datasets		✓ Do NOT copy published Model scenarios	ALL Scenarios will be copied
Enter Version numb	er to Delete:		
Re-enter Version number to Delete:			<< Delete version
		Finished creating version	
Version Number	Version Name		
201603	Archive FY 2015		
1	Active Version		
201607	Active Version		
201510	Archive Test 2		
	Active Version		

The user can then rename the version as desired.

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There are three options available to users when copying Versions. These are available to users to save space, if the related items are not needed.

- Do Not Copy Published Datasets if checked, the Copy action will not copy any published datasets (stored in the Multidim cases)
- Do Not Copy Published Model Scenarios if checked, the Copy action will not copy published model scenarios (stored in the UIP_FILES table)
- Select Scenarios this button launches a dialog that allows the user to select which scenarios to copy. See Select Scenarios

The next time users log in, the new version will appear in the login screen's drop-down list, as shown below (if they have enables Look Up Version Names).

Login to UIPlanner Version J Release 1	0.08.T Utilities International, Inc.
Provide Login Information	
Login Id: UIDEMO Use	/PN Planner Properties Version Names (next loging)
Version #: 1 1: Active Version 1: Active Version	▼
Database Type: O Local DB 201509: Active Vers	ion
Provide Database Connection 201510: Archive Te 201603: Archive FY	2015
Database URL: jdbc:s201607: Backup 201	.6-07
Database Login: uip	
Database Password:	
Login Progress	UIPlanner by Utilities International Inc.

Select Scenarios

This option allows the user to copy only certain scenarios. This allows the user to exclude certain scenarios (e.g., if they are truly not needed in the version copy). If not selected, all scenarios will be copied. The screen will say "All Scenarios will be copied".

If the user selects the Select Scenarios button, this will bring up the following dialog.

Select Che	cked Scenarios Check All Scenarios Un-Check All Scenarios Scenario Group: All Scenarios			
Selected	Scenario			
1	2015 Official Budget			
1	2014 March Forecast			
1	2016 Budget			
1	Working Forecast			
1	Detail Model 2015-2019 Base Plan			
1	Detail Model 2015-2019 Defer CapEx			
1	Detail Model - Goal Seek Revenue			
1	Detail Model - Plant With Jan 2014 Actuals			
1	Detail Model - Reforecast 3+9			
1	Actuals Merge 2014 - 2015 [Forecast]			
	TEst Delete			
	TEST PUBLISH DELETE			

The user uses the checkboxes to choose which scenarios to copy. There are Check All and Un-Check all buttons to assist with the process.

The user can also use the Scenario Group drop-down to select scenarios from one Scenario Group.

🛓 Select So	cenarios to Copy to New Version	×
Select Chee	cked Scenarios Check All Scenarios Un-Check All Scenarios Scenario Group:	Detailed Model 🛛 🔻
Selected	Scenario	All Scenarios Budget Forecast
	Detail Model 2015-2019 Base Plan Detail Model 2015-2019 Defer CapEx Detail Model - Goal Seek Revenue Detail Model - Plant With Jan 2014 Actuals	Detailed Model Strategic Model Customer Revenue
✓	Detail Model - Reforecast 3+9	
•	III	•

Note that if the user had previously checked other scenarios, this action will override that and will check only the scenarios in the chosen Scenario Group. The use will be presented with a warning message.

🛓 Select Se	cenarios to Copy to New Version	22			
Select Che	cked Scenarios Check All Scenarios Un-Check All Scenarios Scenario Group: D	etailed Model 🛛 👻			
Selected	Scenario				
v	Detail Model 2015-2019 Base Plan				
1	Detail Model 2015-2019 Defer CapEx				
1	Detail Model - Goal Seek Revenue				
1	Detail Model - Plant With Jan 2014 Actuals				
1	Detail Model - Reforecast 3+9				
	Scenarios Unselected	ed for your protection			
•	III	•			

Once the user has selected the scenarios to copy and hit the Select Checked Scenarios button, the Manage Versions screen will have text indicating the number of scenarios that will be copied.

 Manage Version 	S		×
		Enter integer number - no characters or decimals.	Select Scenarios
Enter version number to create:			<< Copy active version: 1
Do NOT copy published Datasets		Do NOT copy published Model scenarios	5 Scenarios will be copied
Enter Version number to Delete:			2
Re-enter Version number to Delete:			<< Delete version
Version Number	Version Name	e	
201603	Archive FY 20	15	
1	Active Version	1	
201510	Archive Test 2	2	
201509	Active Version	1	
			ОК

Rename Version:

To rename a version, double-click on the name in the Version Name column and enter the desired version name. See the example below where Version 2 was renamed.

Version Number	Version Name	
0	Test	
1	Base	
2	2010-2015 Forecast	

Delete Version:

To delete a version, enter the number to delete in the text box. To guard against inadvertent deletes, the user needs to enter the version number again in the second (confirmation) text box. Then click the Delete Version button.

Upon selecting Delete Version, the chosen version number will be deleted from the database. The progress window will report the data being deleted. The deleted version will no longer appear in the drop-down list on the login screen.

Notes:

The active version (the version currently logged into) cannot be deleted

Only one version can be deleted at a time.

Version Delete Complete

When the delete is finished, the system will display a confirmation dialog.

 Manage Version 	ons			X
		Enter	integer number - no characters or decimals.	Select Scenarios
Enter version numb	er to create:			<< Copy active version: 1
Do NOT copy published Datasets Enter Version number to Delete:		D	o NOT copy published Model scenarios	ALL Scenarios will be copied
		2016	07	
Re-enter Version nu	Imber to Delete:	2016	07	<< Delete version
		Finish	ned Deleting version	
Version Number	Version Name			
201603	Archive FY 2015			
1	Active Version			
201607	Backup 2016-07		Poloto Version Messages	X
201510	Archive Test 2		Delete Version Messages	
201509	Active Version		Deleting Customer Account data	Table data (II available)
			Deleting Attribute Table data	
			Deleting Time-data Table data	
			Deleting UIP FILES Table data	
			Deleting Instance Table data	
			Finished Deleting version	=
			Finished at 20160730102646	
				T
				OK

Re-enter Version Number Check

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If the user does not enter the confirmation version number or the two numbers do not match, the delete action will not be performed.

 Manage Version 	ons		X
		Enter integer number - no characters or decimals.	Select Scenarios
Enter version numb	er to create:		< Copy active version: 1
Do NOT copy pu	ublished Datasets	Do NOT copy published Model scenarios	ALL Scenarios will be copied
Enter Version numb	er to Delete:	201607	
Re-enter Version nu	umber to Delete:		<< Delete version
		Versions entered are not same.	
Version Number	Version Name		
201603	Archive FY 2015		
1	Active Version		
201607	Backup 2016-07		
201510	Archive Test 2		
201509	Active Version		
	·		
			ОК

Manage Versions Screen – Shared Tables

Manage Shared Tables Versions				×
Copy a Version Across All Systems		Delete a Version Acros	s All Systems	
Enter Version Number to Copy:		Enter Version Number	to Delete:	
Enter Version Number to Create:		Re-enter Version Num	ber to Delete:	
	Copy Specified Version			X Delete Specified Version
CMS-MT WEC				
Define Copy Version Rules for CMS-MT				
Do Not Copy Published Datasets	Do Not Copy Publish	hed Model Scenarios	Select Scenarios	to Copy [All Scenarios Selec
View Process Status for CMS-MT				
Versions in CMS-MT				
		Version Name		
Version #		version indiffe		
Version # 1		v1		
Version # 1 2 3				
Version # 1 2 3		v1 two		
Version # 1 2 3 		v1 two		
Version # 1 2 3 3		v1 two		

Above is the Manage Versions screen for Share Table implementations. This allows users to copy Versions across UIPlanner instances. When the administrator copies a version, it will be copied and available in all instances.

Note that this screen is only accessible from the UIPlanner Systems Manager instance. The regular Copy Versions screen is still accessible in a Shared Table implementation. However, it should be noted that versions copied using that screen will only be accessible in that instance. See above under Manage Versions screen – Non-Shared Tables

The top region is where users initiate the Copy Version or Delete Version actions.

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The bottom region of the screen is a grid that lists all Version Numbers and names. There are separate tabs for the different UIPlanner Instances. The administrator selects the appropriate tab and can then select the rules to apply for that instance.

The Manage Version screen is a modal window. It is typically launched from the Menu Item. The ability to manage versions is an administrative option – see below under Security.

Include All Versions?

The Include All Versions checkbox enables users to view and copy versions not currently loaded on the Middle Tier server. If there are multiple versions, this can preserve memory, since loading multiple versions onto the server can consume memory.

Copy Version

The administrator first decides which version to copy. Note that the Copy action will copy that version into that and all other UIPlanner instances.

- Enter the number of the version to copy
- Enter a new version number in the box. This must be an integer between 1 and 16347, and cannot be an existing version number.
- Click the Copy Specified Version button

This will copy the selected version along with its name and give it the number entered. The dialog will list the progress of the copy process, and when the copy is complete, there will be a confirmation dialog. See above under non-shared tables for an example.

Note that before hitting the Copy Version button, the administrator should first set the rules to apply for each of the UIPlanner instances, using the tabs for each instance.

UIP Instance Tabs

The Shared Tables variant of Manage Versions has separate tabs for each of the UIPlanner instances. These are the same three options as listed above under Non-shared Tables.

- Do Not Copy Published Datasets if checked, the Copy action will not copy any published datasets (stored in the Multidim cases)
- Do Not Copy Published Model Scenarios if checked, the Copy action will not copy published model scenarios (stored in the UIP_FILES table).
- >>> Select Scenarios this button launches a dialog that allows the user to select which scenarios to copy

This allows the administrator to set the parameters for the version copy differently by instance. Below are some examples

- » Copy Published Datasets for one instance but not for another
- » Not copy Published Model scenarios
- Copy all scenarios for one instance, but select a subset of scenarios for another. For example, for the Model instance, the administrator may want to omit various what-if cases

Below is an example of different settings by instance.

Financial Model:

Manage Shared Tables Ver	sions				×
Copy a Version Across All System	S		Delete a Version Acros	ss All Systems	
Enter Version Number to Copy:	1		Enter Version Number	r to Delete:	
Enter Version Number to Create:	201608		Re-enter Version Num	ber to Delete:	
		Copy Specified Version			X Delete Specified Version
Model Asset Book					
Define Copy Version Rules for Me	odel				
Do Not Copy Published Datase	ets	Do Not Copy Publish	ned Model Scenarios	Select Scenari	ios to Copy [All Scenarios Selec
View Process Status for Model					
Versions in CMS-MT					
Version #			Version Name		
1			v1		
2			two three		
-			,		
✓ Include All Versions? (Include	s Those N	ot Loaded on the Servers)			OK
		or could on the betters)			OK

Asset Book:

Copy a Version Across All Systems			Delete a Version Across	All Systems	
Enter Version Number to Copy:	1		Enter Version Number to	Delete:	
Enter Version Number to Create:	201608		Re-enter Version Numbe	r to Delete:	
		Copy Specified Version			X Delete Specified Version
Asset Book Model					
Define Copy Version Rules for CMS	S-MT				
Do Not Copy Published Dataset	S	Do Not Copy Publish	hed Model Scenarios	Select Scenario	os to Copy [All Scenarios Selec
View Process Status for Asset Boo	ok				
Versions in Asset Book					
Version #			Version Name		
1			v1		
			two		

Rename Version:

The screen allows the administrator to rename a version in an instance, double-click on the name in the Version Name column and enter the desired version name. Note that the renaming versions is by instance.

Delete Version:

To delete a version, enter the number to delete in the text box. Note that the Delete action will delete that Version from all UIPlanner Instances.

Upon selecting Delete Version, the chosen version number will be deleted from the database – across all Versions. The progress window will report the data being deleted. The deleted version will no longer appear in the drop-down list on the login screen.

To guard against inadvertent deletes, the user needs to enter the version number again in the second (confirmation) text box. Then click the Delete Version button.

Notes:

The active version (the version currently logged into) cannot be deleted

Only one version can be deleted at a time.

Version Delete Complete

When the delete is finished, the system will display a confirmation dialog. See above under Non-shared Tables.

Re-enter Version Number Check

If the user does not enter the confirmation version number or the two numbers do not match, the delete action will not be performed. See above under Non-shared Tables.

Security

The ability to create or delete versions is an Administrative right, assigned on the Model Security screen.

Administrative Options:
Manage Versions
Delete Case
Set Order
Edit Instance Row-Name/Code/Or
Manage Menus

If the user does not have the Manage Versions right, the Copy Version and Delete Version buttons will be disabled. The screen will indicate that they do not have the required Administrative right.

 Manage Version 	ons		X
		Enter integer number - no characters or decimals.	Select Scenarios
Enter version number	er to create:		<< Copy active version: 1
Do NOT copy pu	Iblished Datasets	Do NOT copy published Model scenarios	ALL Scenarios will be copied
Enter Version numb	er to Delete:		
Re-enter Version nu	mber to Delete:		<< Delete version
		Version management requires Admin security rights.	
Version Number	Version Name		
201603	Archive FY 2015		
1	Active Version		
201510	Archive Test 2		
201509	Active Version		
			ОК

In a Shared Table environment, the user needs access to the System Administration instance. This will give access to the Shared Table variant that crosses instances.

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System Security

ign Security Assign Roles	2			
elect Role or User ID: UIDE		Edit First & Last Name of U	User Demo	
	il Address: UIDEMO@utilinc.co			
Add User		Delete User	Delete User Preferences	Run from Excel
Security Report-	Excel	Security Report-Tab	sys-User Defined Scenario Ty	pe
Menu Profile: Planner Property Group: Copy User Preferences	Model Menu System Level Proper	 ▼ Initial Switchborner Titias ▼ Set Menu/ 	oard: /Planner Property group by Role	Main Menu Main Menu
		opies another user's preferences.		
	all existing preferences, then c MO from: TRAINING1 TRAINI TRAINING1 TRAINI			t Password
Copy preferences to UIDE	MO from: TRAINING1 TRAINI	Administrative Options: Manage Versions Delete Case	☑ Set ☑ Del	lete Other Objects
Copy preferences to UIDER Create Options:	MO from: TRAINING1 TRAINI	Administrative Options: V Manage Versions Delete Case Set Order	v Set v Del v Set	lete Other Objects t Visibility
Copy preferences to UIDEF Create Options:	MO from: TRAINING1 TRAINI Calculation Sequence Calculation Sequence	Administrative Options: V Manage Versions Delete Case Set Order V Edit Instance Row-Name/Co	v Set V Del V Set V Set V Ma	lete Other Objects t Visibility nage Planner Properties
Copy preferences to UIDER Create Options: Report Batch Attribute Entity Case & Scenario	MO from: TRAINING1 TRAINI Calculation Sequence Entity Group Report	Administrative Options: V Manage Versions Delete Case Set Order	v Set V Del V Set v Set v Ma v Arc	lete Other Objects t Visibility
Copy preferences to UIDER Create Options:	MO from: TRAINING1 TRAINI Calculation Sequence Calculation Sequence Report Account Allocation Path	Administrative Options: V Manage Versions Delete Case Set Order Edit Instance Row-Name/Co Manage Menus	v Set V Del V Set V Set V Arc V Arc V Har	lete Other Objects t Visibility nage Planner Properties :hive Cases/Versions
Copy preferences to UIDER Create Options: Report Batch Attribute Entity Case & Scenario	MO from: TRAINING1 TRAINI Calculation Sequence Entity Group Report Account	Administrative Options: V Manage Versions Delete Case Set Order Edit Instance Row-Name/Co Manage Menus Set Alerts	v Set v Del v Set v Arc v Har v Set v Set	lete Other Objects t Visibility nage Planner Properties chive Cases/Versions rd-Delete Lines

The System Security screen is used to define which users have access to UIPlanner, and to configure their security rights, such as the ability to create or delete entities, or to access data. The System Security screen has two tabs:

Assign Security (see above)– This tab is used to configure security settings for roles and individual users not assigned to a role. The screen opens to this tab. See Assign Security Tab section below.

Assign Roles – this tab is used to assign users to Security Roles or to remove users from a role. see Assign Roles Tab section below.

Note – this screen was initially called Model Security, but has been renamed to System Security to reflect its wider use than just Model functions.

The System Security screen is accessed from a menu item. This initially brings up the login window through which the user must enter a password to access the screen itself. The password is typically restricted to Administrators. See the Access to System Security section.

Assign Security Tab

	s				
elect Role or User ID: UID	EMO UI Demo	Edit First & Last Name of Use	er Demo		
Set Admin Lock? Ema	il Address: UIDEMO@utilinc.c	om			
Add User		Delete User	Delete User Preferences	Run from Excel	
Security Report-	Excel	Security Report-Tab	sys-User Defined Scenario Type		
Budget User Only V Start-up Options	View Consolidated Reports?	Set View/Edit Codes			
Menu Profile:	Model Menu	 Initial Switchboard 	rd:	Main Menu	-
Planner Property Group:	System Level Prope	erties Set Menu/Pla	anner Property group by Role	Ignore User Timeout	
	all existing preferences, then of MO from: TRAINING1 TRAIN	copies another user's preferences. IING 1 Check to confirm	m then Copy		
This process first deletes Copy preferences to UIDE Create Options:	MO from: TRAINING1 TRAIN		m then Copy	vord	
This process first deletes Copy preferences to UIDER		ING 1 Check to confirm		her Objects	
This process first deletes Copy preferences to UIDER Create Options: Report Batch	MO from: TRAINING1 TRAIN	Administrative Options: Manage Versions Delete Case	 ✓ Set Passw ✓ Delete Ot ✓ Set Visibil 	her Objects	
This process first deletes Copy preferences to UIDER Create Options: Report Batch Attribute	MO from: TRAINING1 TRAIN	Administrative Options: V Manage Versions Delete Case V Set Order	 ✓ Set Passw ✓ Delete Oti ✓ Set Visibil ✓ Set Visibil ✓ Manage P 	her Objects lity	
This process first deletes Copy preferences to UIDEI Create Options: Report Batch Attribute Entity	MO from: TRAINING1 TRAIN	Administrative Options: V Manage Versions V Delete Case V Set Order Edit Instance Row-Name/Code	 ✓ Set Passw ✓ Delete Oti ✓ Set Visibil ✓ Set Visibil ✓ Manage P 	her Objects lity Ianner Properties ases/Versions	
This process first deletes Copy preferences to UIDEI Create Options:	MO from: TRAINING1 TRAIN Calculation Sequence Entity Group Report Account	Administrative Options: V Manage Versions V Delete Case V Set Order Edit Instance Row-Name/Code Manage Menus Set Alerts V Publish Scenarios	 ✓ Set Passw ✓ Delete Otl ✓ Set Visibil ✓ Set Visibil ✓ Manage P ✓ Archive C ✓ Hard-Dele ✓ Set Owne 	her Objects lity l'anner Properties ases/Versions ete Lines	
This process first deletes Copy preferences to UIDER Create Options: Report Batch Attribute Entity Case & Scenario Allocation Scheme	MO from: TRAINING1 TRAIN Calculation Sequence Fultity Group Report Account Allocation Path	Administrative Options: V Manage Versions V Delete Case V Set Order Edit Instance Row-Name/Code Manage Menus Set Alerts	 ✓ Set Passw ✓ Delete Otl ✓ Set Visibil ✓ Set Visibil ✓ Manage P ✓ Archive C ✓ Hard-Dele ✓ Set Owne 	her Objects lity l'anner Properties ases/Versions ete Lines	

The System Security Tab is used to configure security settings for Security Roles and individual users not assigned to a role.

The drop-down list Select Role or User ID lists all active users and roles. Roles are listed first.

	 Manage Model Sec 	curity		une harmonister
ſ	Assign Security Assign	Roles		
	Select Role or User ID:	R56765 Anne Richards	R	Edit First & Last I
	Set Admin Lock?	Power User View Only System Administrator	1	
l	Add U	Budget Administrator		Delete User
	Security Rep	S45631 Janes Stevens T53321 Thomas Talbert		Security Report-Tab
i.	options.	TRAINING Training User	*	

When a user or role is selected from the list, their first/last name and security settings will display. The administrator can change these settings as needed. The settings available differ depending upon whether it is a Role or a user.

- » Security Role
- Users assigned to a Role
- User not assigned to a Role

Settings - Security Roles

A Security Role acts similarly to any other user. If the security settings for a Role are changed, those changes will be applied to any user currently in that role. Note that some user-specific functionality is not applicable and is disabled when a role is selected (e.g., Delete User Preferences and Delete User).

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sign Security Assign Role	es				
lect Role or User ID: Po	wer User	🔹 🔗 📃 sys-Us	er Defined Scenario Type: Set by	/ Role	
Set Admin Lock? Em	ail Address:				
Add User		Delete User	Delete U	ser Preferences	Run from Excel
Security Report-	Excel	Security Report-Tab	b sys-User Def	ined Scenario Type	
ptions:	View Consolidated Repo	ts? Set View/Edit C	odes		
Start-up Options					
Menu Profile:	Power User	•	Initial Switchboard:	Main	Menu 🔻
Planner Property Group:	System Level Pro	perties 🔻	Set Menu/Planner Property	y group by Role	gnore User Timeout
This process first deletes	all existing preferences, to -SELECTED from: TRAINI		r's preferences.	Сору	
This process first deletes			Check to confirm then	Сору	
Copy preferences to NOT		NG Training User	Check to confirm then	Copy	
This process first deletes Copy preferences to NOT Create Options: Report Batch	-SELECTED from: TRAINI	NG Training User	Check to confirm then		jects
This process first deletes Copy preferences to NOT Create Options: Report Batch Attribute	Calculation Sequence	NG Training User Administrative Op	Check to confirm then	Set Password	jects
This process first deletes Copy preferences to NOT Create Options: Report Batch Attribute Entity	-SELECTED from: TRAINI	Administrative Op Administrative Op Manage Versie Delete Case Set Order Edit Instance I	otions:	Set Password Delete Other Obj Set Visibility Manage Planner	Properties
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This process first deletes Copy preferences to NOT Create Options: Report Batch Attribute Entity Case & Scenario Allocation Scheme Super Entity Group	-SELECTED from: TRAINI Calculation Sequence C Entity Group C Report Allocation Path E Edit Group	Administrative Op Administrative Op Delete Case Set Order Edit Instance I Manage Menu Set Alerts Publish Scena Edit Attributes	The second secon	Set Password Delete Other Obj Set Visibility Manage Planner Archive Cases/V Hard-Delete Line	, Properties ersions Is

Settings - Users Assigned to a Role

If the user is assigned to a security role, most of the options will be disabled, and the screen will indicate that their settings are assigned by role.

gn Security Assign Role				
ect Role or User ID: UII	DEMO UII Demo	Edit First & Last Name of User UII	Demo	
Set Admin Lock? Emi	ail Address:			
Add User		Delete User	Delete User Preferences	Run from Excel
Security Report	-Excel	Security Report-Tab	ys-User Defined Scenario Type	
	View Consolidated Reports?	Set View/Edit Codes		
Start-up Options				
Manu Drofila	Medel Menu	Taitial Cwitchboard	New	
		copies another user's preferences.		e ignore User Timeout
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII I	System Level Prop all existing preferences, then	erties Set Menu/Planner copies another user's preferences. Copi	Property group by Role	
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII f Create Options:	System Level Prop all existing preferences, then DEMO from: UIDEMO UI Dem	erties Set Menu/Planner copies another user's preferences. Check to confirm th Administrative Options:	Property group by Role	
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII I	System Level Prop all existing preferences, then	erties Set Menu/Planner copies another user's preferences. to Check to confirm th Administrative Options: Manage Versions	Property group by Role en Copy ✓ Set Password	gnore User Timeout
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII f Create Options:	System Level Prop all existing preferences, then DEMO from: UIDEMO UI Dem	erties Set Menu/Planner copies another user's preferences. to Check to confirm th Administrative Options: Manage Versions Delete Case	Property group by Role en Copy ✓ Set Password ✓ Delete Other O	gnore User Timeout
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII (Create Options:	System Level Prop all existing preferences, then DEMO from: UIDEMO_UI Dem	erties Set Menu/Planner copies another user's preferences. io Check to confirm the confirm th	Property group by Role en Copy ✓ Set Password ✓ Delete Other O ✓ Set Visibility	ignore User Timeout bjects
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII I Create Options: Report Batch Attribute	System Level Prop all existing preferences, then DEMO from: UIDEMO UI Dem Calculation Sequence	erties Set Menu/Planner copies another user's preferences. io Check to confirm the confirm th	Property group by Role en Copy Set Password Ø Delete Other O Set Visibility er er Manage Plann	ignore User Timeout)bjects er Properties
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII I Create Options: Report Batch Attribute Entity Case & Scenario	System Level Prop all existing preferences, then DEMO from: UIDEMO UI Calculation Sequence Calculation Sequence Entity Group Report Account	erties Set Menu/Planner copies another user's preferences. io Check to confirm the confirm th	Property group by Role en Copy ✓ Set Password ✓ Delete Other O ✓ Set Visibility	ignore User Timeout)bjects er Properties /Versions
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII I Create Options: Report Batch Attribute Entity Case & Scenario Allocation Scheme	System Level Prop all existing preferences, then DEMO from: UIDEMO UI Dem V Calculation Sequence Entity Group Report Account Allocation Path	erties Set Menu/Planner copies another user's preferences. io Check to confirm the confirm th	Property group by Role	gnore User Timeout objects er Properties Versions nes
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII (Create Options: Report Batch Attribute Entity Case & Scenario Allocation Scheme Super Entity Group	System Level Prop all existing preferences, then DEMO from: UIDEMO_UI Dem ✓ Calculation Sequence ✓ Entity Group ✓ Report ✓ Allocation Path ✓ Edit Group	erties Set Menu/Planner copies another user's preferences. io Check to confirm th Administrative Options: Ø Check to confirm th Administrative Options: Ø Delete Case Ø Set Order Ø Edit Instance Row-Name/Code/Order Ø Manage Menus Ø Set Alerts	Property group by Role	gnore User Timeout objects er Properties Versions nes
Planner Property Group: Copy User Preferences This process first deletes Copy preferences to UII I Create Options: Report Batch Attribute Entity Case & Scenario Allocation Scheme	System Level Prop all existing preferences, then DEMO from: UIDEMO UI Dem V Calculation Sequence Entity Group Report Account Allocation Path	erties Set Menu/Planner copies another user's preferences. io Check to confirm th Administrative Options: Check to confirm th V Manage Versions V Delete Case V Set Order V Edit Instance Row-Name/Code/Orde V Manage Menus V Set Alerts V Publish Scenarios	Property group by Role	gnore User Timeout objects er Properties Versions nes

Settings - Users Not Assigned to a Role

If the user is not assigned to a security role, all settings are available.

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		Edit First & I	Last Name of User		
ect Role or User ID: R56765 Ann	ne Richards	Anne	Richar	ds	
Set Admin Lock? Email Addres	s: R56765@company	y.com			
Add User		Delete User	Delete Use	er Preferences	Run from Excel
Security Report-Excel		Security Report-Tab	sys-User Defir	ned Scenario Type	
ptions:					
🔲 Budget User Only 🛛 View Co	onsolidated Reports?	Set View/Edit Cod	les		
Start-up Options					
Menu Profile:	Power User	•	Initial Switchboard:	None	
				L	
Planner Property Group:	System Level Propert	ties 🔻	Set Menu/Planner Property	aroun by Role To	nore User Timeout
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from:	ng preferences, then c	copies another user's))	
Copy User Preferences This process first deletes all existin	ng preferences, then c	copies another user's	preferences. Check to confirm then Copy)]	
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options:	ng preferences, then c	copies another user's 9 User 🔹 🔲	preferences. Check to confirm then Copy] Set Password	
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options:	ng preferences, then c	copies another user's 19 User Administrative Opt	preferences. Check to confirm then Copy	Set Password	
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca V Attribute V En	ig preferences, then o TRAINING Training Iculation Sequence tity Group	Administrative Opt Manage Versio Delete Case	preferences. Check to confirm then Copy tions:	Set Password Delete Other Obju	ects
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca V Attribute V En V Entity Re	ng preferences, then o TRAINING Training Iculation Sequence tity Group	Administrative Op Manage Version Delete Case Set Order Edit Instance F	preferences. Check to confirm then Copy tions: ons Row-Name/Code/Order	Set Password Delete Other Obj Set Visibility Manage Planner I	ects Properties
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca Attribute V Eni Enity Re Case & Scenario Ac	ng preferences, then c TRAINING Training Iculation Sequence tity Group port count	Administrative Opi Manage Versic Delete Case Set Order Edit Instance F Manage Menus	preferences. Check to confirm then Copy tions: ons Row-Name/Code/Order	Set Password Delete Other Obju Set Visibility Manage Planner I Archive Cases/Ve	ects Properties rsions
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca V Attribute V En Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca	Iculation Sequence tity Group count ocation Path	Administrative Opi Manage Versic Delete Case Set Order Edit Instance F Manage Menus Set Alerts	preferences. Check to confirm then Copy tions: ons Row-Name/Code/Order s	Set Password Delete Other Obju Set Visibility Manage Planner I Archive Cases/Ve Hard-Delete Lines	ects Properties rsions
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca V Attribute V En Ca Ca Ca Ca Ca Attribute An Ca Attribute An Ca Attribute An Ca Ca Attribute An Ca Ca Ca Ca Ca Ca Ca Ca Ca Ca	ng preferences, then c TRAINING Training Iculation Sequence tity Group port count	Administrative Opt Manage Versio Delete Case Set Order Edit Instance F Manage Menus Set Alerts Publish Scenar	preferences, Check to confirm then Copy tions: ons Row-Name/Code/Order s	Set Password Delete Other Obju Set Visibility Manage Planner I Archive Cases/Ve	ects Properties rsions
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca Attribute I En Ca Cather Cathe	Iculation Sequence tity Group count ocation Path	Administrative Opt Manage Versio Delete Case Set Order Edit Instance F Manage Menus Set Alerts Publish Scenar	preferences, Check to confirm then Copy tions: ons Row-Name/Code/Order s rios - Administrative Options	Set Password Delete Other Obju Set Visibility Manage Planner I Archive Cases/Ve Hard-Delete Lines	ects Properties rsions
Copy User Preferences This process first deletes all existin Copy preferences to R56765 from: Create Options: Report Batch Ca Attribute I En Ca Cather Cathe	ng preferences, then of TRAINING Training Ilculation Sequence tity Group port count ocation Path it Group	Administrative Opt Manage Versio Delete Case Set Order Edit Instance F Manage Menus Set Alerts Publish Scenar Edit Attributes	preferences, Check to confirm then Copy tions: ons Row-Name/Code/Order s rios - Administrative Options	Set Password Delete Other Obju Set Visibility Manage Planner I Archive Cases/Ve Hard-Delete Lines	ects Properties rsions
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Assign Security Tab - Screen Layout

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		- Edit First 9. Las	st Name of User		
elect Role or User ID: R5676	55 Anne Richards	Anne	Richards		
Set Admin Lock? Email A	Address: R56765@c	ompany.com			
Add User		Delete User	Delete User	Preferences	Run from Excel
Security Report-Ex	cel	Security Report-Tab	sys-User Defined	d Scenario Type	
ptions:					
Budget User Only V	lew Consolidated Re	ports? Set View/Edit Codes			
Start-up Options					
Menu Profile:	Power User	▼ Ir	nitial Switchboard:	Non	e
	r				
Planner Property Group:	System Level	Properties 🔹	Set Menu/Planner Property are	oup by Role 📃 1	anore User Timeout
Planner Property Group: Copy User Preferences This process first deletes all Copy preferences to R56765		, then copies another user's pr	Set Menu/Planner Property gro	oup by Role 📃 I	ignore User Timeout
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Copy User Preferences This process first deletes all Copy preferences to R56765 Create Options: Report Batch V Attribute	I existing preferences 5 from: TRAINING Calculation Sequ Calculation Sequ	, then copies another user's pr raining User Ch Administrative Option ence Manage Versions	references. Reck to confirm then Copy	Set Password	-
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Copy User Preferences This process first deletes all Copy preferences to R56765 Create Options: Report Batch V Attribute	I existing preferences 5 from: TRAINING Calculation Sequ Calculation Sequ	, then copies another user's pro- raining User Ch Administrative Option Administrative Option Ch Banage Versions Delete Case Set Order	eferences. leeck to confirm then Copy	Set Password Delete Other Ob Set Visibility	jects Properties
Copy User Preferences This process first deletes all Copy preferences to R56765 Create Options: Report Batch Attribute Entity	existing preferences from: TRAINING	, then copies another user's pro- raining User	eferences. leeck to confirm then Copy	Set Password Delete Other Ob Set Visibility Manage Planner	jects Properties ersions
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Copy User Preferences This process first deletes all Copy preferences to R56765 Create Options: Report Batch Attribute Centry Case & Scenario Allocation Scheme Super Entity Group	existing preferences from: TRAINING Calculation Sequ Calculation Sequ Entity Group Report Account Allocation Path Edit Group	, then copies another user's pro- raining User Administrative Option Administrative Option Manage Versions Delete Case Set Order Edit Instance Rov Manage Menus Set Alerts Publish Scenarios	references. reck to confirm then Copy ns: s	Set Password Delete Other Ob Set Visibility Manage Planner Archive Cases/V Hard-Delete Line	jects Properties ersions ts
Copy User Preferences This process first deletes all Copy preferences to R56765 Create Options: Report Batch Attribute Centry Case & Scenario Allocation Scheme Super Entity Group	existing preferences 5 from: TRAINING Calculation Sequ Calculation Sequ Report Account Allocation Path	, then copies another user's pro- raining User Administrative Option Administrative Option Manage Versions Delete Case Set Order Edit Instance Rov Manage Menus Set Alerts Publish Scenarios	references. references. references. references. Copy ns: s w-Name/Code/Order s Administrative Options	Set Password Delete Other Ob Set Visibility Manage Planner Archive Cases/V Hard-Delete Line	jects Properties ersions ts
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The Assign Security tab has a number of different regions.

- User Settings Where the administrator can set certain settings that are specific to users only (not roles). These include the user's name and email address, and ability to set Admin Locks, among others.
- **Action Buttons** These buttons facilitate adding or deleting users, or running security reports.
- Start-up Options These dropdown lists allow the user to set a number of system behavior options for a role/user, such as their menu profile or default switchboard
- **Copy User Preferences** Enables the system administrator to copy User Preferences to a given user.
- Create Rights These checkboxes allow the system administrator to define the role/user's ability to create certain key objects, such as entities or reports.
- Administrative Rights These checkboxes allow the system administrator to define the role/user's right to perform certain system-wide administrator tasks

Assign Roles Tab

The concept of security roles allows the System Administrator to define specific roles (Administrator, Power User, View Only, etc.) and to assign security rights to those roles. They can then assign each user to a role and they will inherit the rights of that role. This is an efficient way to manage security. It allows the administrator manage a large user group without having to set them individually, and it enforces consistency.

Once the roles have been created and configured, the users need to be assigned to their role, as appropriate. When a new user is added, the administrator merely needs to assign them to a group, and their security will be fully set. This is done via the Assign Roles tab on the Security module.

New roles are created by adding them to the special Sys-Security Roles Entity Group. See the Creating Security Roles section.

Notes:

Users do not have to be assigned to a role. Security can be configured individually for one or all users. Roles are optional.

Users can be assigned only one role at a time. If a user is originally assigned to Role A and then reassigned to Role B, they are removed from Role A.

Users by Role

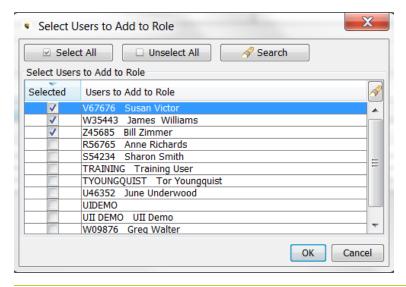
To determine which users are assigned to a given role, select the role from the drop-down list.

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 Manage Me 	lodel Security	X
Assign Security	Assign Roles	
Select Security	/ Role	
Security Role:	Power User	
Assign Users to	Power User View Only System Administrator	
User	Budget Administrator	
	Richards	
UII DEMO UII		
V67676 Susar W35443 Jame		

Add User

To assign that role to a user not on the list, click Add Users. This will bring up a list of all users. Check the user(s) to add. As they are selected, they will move to the top of the list. The dialog also has buttons for Select All or Unselect All, as well as a text search, for long lists.



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When done, click OK, and the selected users will be added to the users in that role. Their security settings will now be by their new role. This change will take effect the next time the user logs in; if they are currently in UIPlanner when their role is changes, they will be in the new role until they exit UIPlanner.

Delete User

To delete a user from a role, highlight the user or users (the dialog supports multi-select) and hit the Remove Selected Users button. They will be removed from that role and will be without a role.

 Manage Model Security 	X
Assign Security Assign Roles	
Select Security Role	
Security Role: Power User	▼ 🔗
Assign Users to Role	
Add Users X Remo	ove Selected Users
User	N
U46352 June Underwood	
UII DEMO UII Demo	
V67676 Susan Victor W35443 James Williams	
Z45685 Bill Zimmer	

Note that when a user is removed from a role, they will initially have rights identical to the role from which they were just removed. If the System Administrator wants them to have different rights, he/she needs to select that user and adjust their rights. Below is a user who was just removed from the View Only role.

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elect Role or User ID: R56765 Anne Richa	ards	e of User Richards	
Set Admin Lock? Email Address:			
Add User	Delete User	Delete User Preferences	Run from Excel
Security Report-Excel	Security Report-Tab	sys-User Defined Scenario Type	
Copy User Preferences		Aenu/Planner Property group by Role	None Ignore User Timeout
Copy preferences to R56765 from: R5676 Create Options: Report Batch Calculation	Administrative Options: Sequence Manage Versions	confirm then Copy	
Attribute Entity Group			her Objects
	p Set Order	Set Visibi	lity
Attribute Entity Group	p	Code/Order Manage P	
Attribute Entity Group	P Set Order Edit Instance Row-Name/ Manage Menus Set Alerts Path Set Alerts Edit Attributes - Administr	Code/Order Set Visibil Ander Manage F Archive C Hard-Dele Set Owne	lity Manner Properties ases/Versions ete Lines

Assigning User Roles via LDAP

UIPlanner allows a user's role to be updated directly from the LDAP group associated with the user. Below are the configuration requirements.

- LDAP must be enabled
- » The Default Code of Security Roles with UIPlanner must match with the Group Names of the LDAP
- There can only be one role matching the LDAP Security Group. This group is in addition to the GROUP that needs to be added per user to locate which UIPlanner instance the user has access to. For example, a user can have access to Forecast and Regulatory UIPlanner instances. Those group names will be unique to the UIPlanner instance.
- Each user in this configuration must have a role assigned, otherwise a warning/error message will be displayed and the system will exit
- If the user is given a different LDAP Group, their corresponding Security Role in UIPlanner will be changed accordingly.
- >> The other LDAP Planner Properties must be set (e.g., Use LDAP Authentication)

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This feature is activated by the following Planner Property. This directs UIPlanner that the system needs to cover the User Role with the LDAP Group.

LDAP: Roles Assignment maintained in L	DAP.
	Property Type: Boolean YES for ON
Default Value	NO
System Database Value	YES
Value to Use	YES
	Update

When this feature is enabled, the Assign Roles tab in System Security is disabled and renamed to Assign Roles – Managed by LDAP Security.

Manage Model Security	
Assign Security Assign Roles - Managed by LDAP Securit	У
Select Role or User ID: 325111: Customer Service Admi	in V 🔗 🗌 sys-User Defined Scenar
Set Admin Lock? Email Address:	
Add User	Delete User
Security Report-Excel	Security Report-Tab
Options: Budget User Only View Consolidated Reports?	Set View/Edit Codes

If a user has an LDAP Security Group, but does not have a matching role in UIPlanner, they will be blocked from logging in,

and will receive the following error message.



Options - by User

Below are settings that are only available at an individual user level. Note that these are set by user, regardless of whether they are assigned to a role. They are disabled for Security Roles.

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Select Role or User ID:	101224	- 0	Edit First & Last Name of User		
Select Note of User 1D.	J31234	•	Joe	5	Smith
		-			
Set Admin Lock?	Email Address:	jsmith@company.com			

Set Admin Lock?

Admin Locks allow System Administrators to set overriding security on an object (such as a Case or a Scenario). When the Admin Lock is on, users without Admin Lock rights will not be able to make any changes to that object. If this box is checked, the user/role has the ability to set Admin locks on the Core Object Editor screen. The Admin Locks screen will be enabled. See the Core object Editor for more information on Admin Locks.

	Editor ×
Select Objects	to Edit
Object Type:	Case
Object ID Inte	rface Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks
Admin Lock	Object
	Admin locks are global, and apply to all cases in the version.
	Admin locks prevent users without Admin Lock Rights from changing any data for the locked object.
	A locked object may be used as data - for example, a project could be set to point to a locked tax depreciation schedule.
	Admin lock rights are set on the Model Security screen.
	Report Formats Report Formats (Base Plan): Admin lock

If the user/role is not given the right, the Admin Locks tab will be disabled.

Core Object	Editor ×
Select Objects	to Edit
Object Type:	Case 🗸 🖉 🗖 🗖
Object ID Inte	erface Codes Delete Owner Group Visibility Case-Name Order Instance-Name/Code/Order Data Finder Alerts Admin Locks
Admin Lock	Object
	Admin locks are global, and apply to all cases in the version.
	Admin locks prevent users without Admin Lock Rights from changing any data for the locked object.
	A locked object may be used as data - for example, a project could be set to point to a locked tax depreciation schedule.
	Admin lock rights are set on the Model Security screen.
	1+11 Reforecast Case
	2011 - 2015 Defer CapEx Overlay Case
	2014 - 2019 Base Plan
	Actuals
	Actuals From Ledger
	Actuals Merge 2011 - 2015 Attributes
	Actuals Merge 2011 - 2015 Data

Email Address

Enter an email address to allow UIPlanner to email report or other notifications to a user. Note that the text box is only enabled for individual users – it is disabled for Security Roles.

0		 Manage Model Security
t	ſ	Assign Security Assign Roles
: 1		Select Role or User ID: TRAINING9 TRAINING 9
		Set Admin Lock? Email Address: training9@utilinc.com

Options - by Role or User

Below are the available options that can be set for roles and for individual users not assigned to a role.

Options:			
Budget User Only View C	onsolidated Reports? Set View/Edit Code	s	
Start-up Options			
Menu Profile:	Power User V	Initial Switchboard:	None
Planner Property Group:	System Level Properties	Set Menu/Planner Property group by Role	Ignore User Timeout
Copy User Preferences			

If a user is assigned to a role, these options are grayed out, as they are set by the role.

Options: (set by Role: Power User)						
Budget User Only 🗸 View Consolidated Reports? Set View/Edit Codes						
Start-up Options						
Menu Profile:	Power User 💌	Initial Switchboard:	None	-		
Planner Property Group:	System Level Properties 🔻	Set Menu/Planner Property group by Role	☑ Ignore User Timeout			

Below are the various options.

Budget User Only

This checkbox indicates that the role/user currently being displayed has access to the Budget module only. It will turn off many model-only features, such as Manage Ledger and Browse Reports.

View Consolidated Reports

This controls whether the role/user can see consolidated reports. This option may be used to block confidential information during the planning process, such as the status of consolidated earnings per share. If this is not checked, the user cannot see consolidated views, such as Legal Entity. See Browse Reports for more information on the Consolidated view. Note that in addition to turning off the consolidated reports option, the user/role should not have visibility for the Consolidated Planning entity.

IDEMO-Financial Statements-Income Stat	ement				
Format Report Search Table Drilldown	on Data Action Panel				
Select Item to Jump To			Search Report for	Content ('*' for Wildcard)	
Year 2016		-			
1160 2010		· .		Filter	labels 🔲 Filter data
▼ Report: Income Statement					
Detail Model 2014-2018 Base Plan	Chicago Electric Company	Prairie Generation Comp	Southern Wisconsin E&G	Suburban Gas Company	UI Energy Holding Company
Year 2016				,	
Operating Revenue:					
Electric Revenue	\$5,142,379	\$793,756	\$1,096,033	\$0	\$
Gas Revenue	453,348	0	0	1,117,470	
Affiliate Revenue	0	0	0	0	-248,31
Goal Seek Revenue	96,010	0	0	0	
Total Operating Revenue	5,691,737	793,756	1,096,033	1,117,470	-248,31
Operating Expenses:					
Fuel	2,285,693	447,299	245,418	0	
Purchased Power	154,778	0	169,522	0	
Cost of Gas Sold	0	0	0	483,035	
Operations and Maintenance	409,588	62,861	116,236	150,015	-456,61
Depreciation, Decommissioning & Am	609,480	111,373	164,014	158,235	
		22,000	27,606	25,444	
Taxes Other Than Income Taxes	214,408	22,899	27,000	20,777	(\$456,614

View/Edit Codes

This button launches the View/Edit code dialog. See View/Edit codes for more information.

Menu Profile

Use this dropdown box to assign the selected role/user a specific Menu Profile.

Start-up Options	
Menu Profile:	sys-Default menu Profile
Planner Property Group:	sys-Default menu Profile
Copy User Preferences This process first deletes all exis	View Only Power User storg prerenences, men copies anomer user

Note that the administrator can assign a Menu Profile to a role, and then specify that all users in that role will inherit that Menu Profile. See below under Set Menu/Property Group by Role.

Initial Switchboard

Use this drop-down box to select a switchboard that will appear every time the user enters UIPlanner. This is called the user's Default Switchboard. See Switchboards for an example.

Initial Switchboard:	Model Main Switchboard	•
	Budget - Labor	
Set Menu/Planner Property group by Role	Budget - Project	
	Budget - Reconcile	_
	Budget Process	
er's preferences.	Budgeting	=
Check to confirm then Copy	Detailed Model	
	Main Menu	
	Model Main Switchboard	-
Ontioner		

Planner Property Group

If there are multiple Planner Property Groups, use this drop-down to assign the role/user to a Planner Property Group.

Menu Profile:	sys-Default menu Profile 🔹	Init
Planner Property Group:	System Level Properties	
Copy User Preferences This process first deletes all exis Copy preferences to TRAINING f	System Level Properties VPN Property Group Local Machine Property Group	's p

Set Menu Profile/Property Group by Role

If this checkbox is checked for a given role, all users who are assigned to that role will inherit the Planner Property Group and Menu Profile of that role.

0	ptions: (set by Role: Power User)					
	Budget User Only View Consolidated Reports? Set View/Edit Codes					
	Start-up Options					
	Menu Profile:	Power User 🗸		Initial Switchboard:	None	•
	Planner Property Group:	System Level Properties 👻		$\boxed{\checkmark}$ Set Menu/Planner Property group by Role	✓ Ignore User Timeout	

Ignore User Timeout?

If the Planner Property has been configured to force users out after a period of inactivity, use this checkbox to instruct the system that that role/sser is not subject to the timeout. Typically the System Administrators or users who will be executing long processes will be exempted from the timeout, since that would interfere with the processes being run.

Create Rights

Create Options:	
create optionor	
Report Batch	Calculation Sequence
✓ Attribute	V Entity Group
V Entity	V Report
✓ Case & Scenario	Account
Allocation Scheme	Allocation Path
Super Entity Group	V Edit Group
Report Column Set	Report View

The various checkboxes in the Create Options region are used by System Administrators to control users' ability to create key UIPlanner objects, such as Entities, Cases or Scenarios. For each item, checking the box gives the selected user (or all users with that role) create rights. If a box is unchecked, the role/user does not have that right.

- Report Batch if checked, the user can create report batches on the Browse Reports screen. If not checked, the Create button is disabled on that screen.
- Attribute if checked, the user can create new attributes for entities. If not checked, the Create New Attribute button is disabled on the Define Attributes region of the Edit Attributes screen.
- Entity if checked, the user can create entities in the model, such as Bonds, Plant Accounts, Depr Groups, etc. If not checked, the Create and Create and Edit buttons are disabled on the Edit Attributes screen.
- Case & Scenario if checked, the user can create cases and scenarios. Users can still modify existing scenarios. If not checked, the Create button is disabled on the Manage Cases and Manage Scenarios screens.
- Allocation Scheme if checked, the user can create new allocation schemes in the Allocations module. If not checked, the Create button is disabled on the Define Allocation Schemes tab of the Edit Allocations screen.
- Super Entity Group if checked, the user can create new super entity groups. If not checked, the Create Super Entity Group button is disabled on the Group Entities screen.
- Report Column Set if checked, the user can create new report column sets, which are global across all users. If not checked, the Create button is disabled on the Report Columns screen.
- Calculation Sequence if checked, the user can create a new sequence on the Manage Sequences screen. If not checked, the Create button is disabled on that screen.
- Entity Group if checked, the user can create new entity groups. If not checked, the Create button under All Entity Groups is disabled on the Edit Attributes screen.
- Report if checked, the user can create new reports or report groups. If not checked, the Create Report and Create Report Groups buttons are disabled on the Group Report screen
- Account if checked, the user can create new accounts and account rollups on the Manage Ledger screen. If not checked, the Create button is disabled on that screen.
- Allocation Path if checked, the user can create new allocation paths in the Allocations module. If not checked, the Create button is disabled on the Define Allocation Path tab of the Edit Allocations screen.
- Edit Group if checked, the user can create new edit groups. If not checked, the Create button is disabled on the Define Edit Groups screen.

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Report View - if checked, the user can create Report Views. If not checked, the Create Report view is disabled on the Report Administration screen, and the right click option is not available on Manage Multidimensional Calculations.

Note: Most of the Create rights listed above just control the user's ability to create new items or entities. This is distinct from the user's ability to read (see) or edit existing data or objects. This level of security is administered by the use of Owner Groups. See View/Edit Codes for more information.

As indicated above, if a user or role does not a have specific Create right, the Create button is disabled/grayed out on the appropriate UIPlanner screen. Below are some examples.

Example - Create Entity Rights

Below is an example of the Edit Attributes screen where the user does not have Create Entity rights.

Edit Attributes	
Limit Tree by Super Entity Group	
😬 Detailed Model	•
Select Entity or Group	
Containing (use '*' for any):	
Centraled Model	
E- HAFUDC Rate Schedule	
😥 🌐 Bond Issue	
😥 🌐 Bond Issue Type	
🚯 🤠 Electric Revenue Class	
🛞 🌐 Electric Revenue Schedule	
Fuel Clauses	
🕀 🌐 Gas Revenue Class	
🗊 🌐 Gas Revenue Schedule	
🛞 🌐 Jurisdiction	
🖲 🌐 Lag Factor	
🗈 🌐 Legal Entity Parent	
🛞 🌐 Model Project	
🗈 🌐 Planning Entity	
🕀 🌐 Plant Account	
- Bale of Planning Entity	
🗈 🌐 State Tax Area	
🛞 🖶 System Control	

Example - Create Case & Scenario Rights

Below is an example of the Manage Cases screen, where the user does not have Create Case & Scenario rights. Note that the Create Case and Merge/Copy case buttons are disabled.

ΘM	lanage Cases ×					
Edi	ting Case: Base Attribute Case					
E	dit Case Comment	Ca	se used in Scenarios	Merged from Cases C	Case by S	cenario
		Sc	enario			
			uals [Actuals]			
			6 Official Budget [Offi	cial Budget]		
			5 March Reforecast	L-1		
		مسا	rvind Forocact I Lardo	TC1		
Filt	er by Scenario:			Filter by Case Group	o:	
- C	urrent Scenario -		▼]4	All Cases		
	Show Locked prefix Create		Merge/Copy Case	Edit Case Groups		Edit Locks
Sel	ect Case to Edit (Click column headers to sort)					
	Case		Case Type			Case Own
Θ	Actuals Attributes		Attribute			
C	Actuals Data		Multi-dim			
O	Actuals		Actual			
С	Report Formats		Logic			

Administrative Rights

The bottom region of the System Security screen is used to give users access to various administrative functions in UIPlanner. These include data and structure type functions, such as the ability to delete cases or change visibility of objects as well as overall model configuration functions, such as changing the menu structure or accessing the Planner Properties screen. See the example below:

Administrative Options:	
Automaticative Options.	
Manage Versions	Set Password
V Delete Case	Delete Other Objects
Set Order	Set Visibility
V Edit Instance Row-Name/Code/Order	Manage Planner Properties
Manage Menus	Archive Cases/Versions
Set Alerts	✓ Hard-Delete Lines
V Publish Scenarios	Set Owner Groups
Edit Attributes - Administrative Options	
Kill Server Process	

Use the checkboxes to set the user's various administrative rights. Checking the box gives the right. If a box is unchecked, the user (or all users in that role) does not have that right. The various administrative rights are listed below:

- Manage Versions If checked, the user can create or delete new Versions. If not checked, the Create Version and Delete Version buttons are disabled on the Manage Versions screen.
- Delete Case If checked, the user can delete cases. If not checked, the Delete tab is disabled on the Core Object Editor when cases are selected.
- Set Order If checked, the user can change the order of various objects in UIPlanner on the Core Object Editor. If not checked, the Order tab is disabled on the Core Object Editor.
- Edit Instance Row-Name/Code/Order if checked, the user can edit this information in the Core Object Editor. If not checked, the Edit Instance-Name/Code/Order tab is disabled on the Core Object Editor
- Manage Menus If checked, the user has the right to add, delete or modify the various menu tabs and drop-down lists. If not checked, the Manage Menus screen is disabled and a message indicates the user does not have the necessary rights.
- Set Alerts If checked, the user can create or delete Alerts. If not checked, a message on the Alerts tab of the Core Object Editor indicates this fact.
- Publish Scenarios If checked, the user can publish Model scenarios (Compare or Transfer) to the database, as well as publish datasets. If not checked, the user can only publish locally, for Compare only. Note that this admin option relates to Model only, and does not relate to publishing B2 datasets.
- Edit Attributes Administrative Options If checked, the user can set the Wildcard/Null Entity and Publish Default Entity on Entity Groups. If not checked, these options are disabled. See Edit Attributes.

- Kill Server Process If checked, the user can kill server side processes for all users. If not checked, the user can only kill their own server processes. See Process Manager.
- Set Password determines whether the user can change the database password. If unchecked, that menu item is disabled, and the user cannot open the Change Database Password screen.
- Delete Other Objects determines whether the user can delete objects other than cases (see above). If unchecked, the Delete tab is disabled on the Core Object Editor when other objects are selected. Cases are handled as a separate right, because of their importance.
- Set Visibility determines whether the user can turn visibility of objects on or off. If the user does not have this right, the Visibility tab is disabled on the Core Object Editor.
- Manage Planner Properties determines whether the user can modify the Planner Properties. If unchecked, that menu item is disabled, and the user cannot open the Planner Properties screen.
- Archive/Resurrect Cases/Versions determines whether the user has the right to archive or resurrect cases or versions. If the user does not have this right, the Archive/Resurrect Case/Version screen is disabled and a message indicates that the user does not have the necessary rights.
- Hard-Delete Lines determines whether the user can run the process to hard delete orphaned report lines. If unchecked, that menu item is disabled, and a message indicates the user does not have the necessary rights.
- Set Owner Groups If checked, the user can assign Owner Groups on the Core Object Editor. If not checked, that menu item is disabled, and a message indicates the user does not have the necessary rights.

New Administrative Right

In response to user needs, UI occasionally adds new Administrative Right options. When a new option is added, the default is that it is enabled for all roles and users. The System Administrator need to select each role/user and uncheck the option as needed.

Example - Core Object Editor

A number of the Administrative rights are related to capabilities contained in the Core Object Editor. However, administrators often want to allow users to see the information there (such as Object IDs) or to edit as needed (such as Case Names or Interface Codes.) The Administrative Options provides the appropriate controls. Below is the Core Object Editor

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for a user who does not have Administrative Rights. Note that the relevant tabs on are disabled, and the Alert tab can still display alerts but the user cannot change them.

Administrative Options:	
Manage Versions	Set Password
Delete Case	Delete Other Objects
Set Order	Set Visibility
Edit Instance Row-Name/Code/Order	Manage Planner Properties
Manage Menus	Archive Cases/Versions
Set Alerts	Hard-Delete Lines
Publish Scenarios	Set Owner Groups
Edit Attributes - Administrative Options	
Kill Server Process	

Score Object Editor ×	
Select Objects to Edit	
Object Type: Entity)
Object ID Interface Codes Delete Owner Group Visibility Case-Name Order. Instance-Name/Code/Order Data Finder Alert	s Admin Locks
Object	Alert?
You do not have the security admin right to change alerts	

View/Edit Codes

View/Edit Codes are a security construct that allows system administrators to control users' access to various objects and data in UIPlanner. Objects (such as Cases or Entity groups) can be assigned an Owner group. The administrator can then determine for roles or specific users what rights they have to items owned by that group. There are three options:

- No Rights The user cannot see objects owned by that security group. Items such as scenarios, entity groups, or entities will not show up in lists
- View Only the user can see all data owned by that security group but cannot change it. This includes time dependent and attribute data stored in cases.
- View & Edit The user has full rights to items owned by that security group. He/she can modify data in objects owned by that group.

See **UIPlanner Security** for more information.

To assign View or Edit rights to a role or user, click the Set View/Edit Codes button. This will bring up the following dialog. It lists all of the Security Groups, with the selected role/user's rights to each group.

View & Edit Rights	X
Set View/Edit Righ Power Use	
Budget Administrators:	View Only
Finance Dept:	View & Edit 🔹
Financial Forecast Dept:	View & Edit 🔹
Model Administrators:	View & Edit 🔹
Regulatory Administrators:	View Only 🔻
System-Wide Administrators:	No Rights 🔹
	Ok

For each group, use the drop-down list to define what the user's rights are for that group.

	 View & Edit Rights 	×
	Set View/Edit Rights Power User	for user
1	Budget Administrators:	View Only 👻
	Finance Dept:	View & Edit 👻
	Financial Forecast Dept:	View & Edit 🔹
	Model Administrators:	View & Edit 🔹
	Regulatory Administrators:	View Only 👻
	System-Wide Administrators:	No Rights
		No Rights
		View Only
		View & Edit
		Ok

Click OK to save the changes and close the dialog. The security settings will take effect the next time the user logs into the database (user view/edit settings are set at the time of login).

Note that if a new Security Group is added, all roles/users will initially have their View-Edit code set to No Rights. The administrator should open each role/user and configure their access to this new Security Group as desired.

Below is additional information on the No Rights and View Only options. More detail is available in the UIPlanner Security topic.

View Only

If the user has View Only rights to objects, these objects will appear with View prefixed to the name.

	Compile & Run	Publish-	Local	Show Search Par	nel 🔳	Seque View: (
U	se R56765 Temp Data 🕓 Select C	Output Batch 👻				O Sele	ect Sec	uence SubSet	
	ler Reports Run All			cial Reports tun All				s & Statistics & Summary Reports tun All	
Run	Report	Context	Run	Report	Context		Run	Report	Context
V	Global Assumptions	View: System Control		Short-term Rollover & Interest	Planning Entity		~	Income Statement	Planning Entity
1	System-Wide Rates	View: System Control	1	Income Statement	Planning Entity		1	Balance Sheet	Planning Entity
1	View: Utility Allocators	Utility	1	Balance Sheet	Planning Entity		1	Receipts and Disbursements	Planning Entity
\checkmark	View: Jurisdictional Allocators	View: Jurisdiction	V	View: Cost-of-Capital - Legal E	Legal Entity		V	View: Cash Flow	Planning Entity
1	Journal Entry	Planning Entity		View: Cost of Capital - Jurisdict	View: Jurisdiction		1	Summary I/S B/S C/F	Planning Entity
1	Property Tax	Planning Entity	1	View: Jurisdictional Working C	View: Jurisdiction		1	Ratios & Statistics	Planning Entity
1	Other Operating Revenue	Planning Entity	1	View: Rate Base per Books	View: Jurisdiction		1	Summary Statistics for Graphs	Planning Entity
~	View: AFUDC Rates	AFUDC Rate Schedule	V	Rate Base Adjustments	Jurisdictional Adjustments				
-	View: Book Depr Rates & Rules	Plant Account	V	Rate Base Adj Total	View: Jurisdiction				
1	View: Construction	Model Project	V	Rate Base	View: Jurisdiction				
1	Plant Account Detail	Plant Account	V	View: Jurisdictional Earnings	View: Jurisdiction				
1	08M	Planning Entity	V	View: Revenue Requirements	View: Jurisdiction				
1	Fuel Expense Report	Planning Entity	V	Goal Seek for Rate Relief	View: Jurisdiction				
1	ECA Fuel Clause Report	Fuel Clauses	V	Income Tax - Federal	Planning Entity				
1	Electric Revenue Schedules	Electric Revenue Schedule	V	Cash Balancing & Auto Financing	Planning Entity				
1	Electric Revenue Summary	Planning Entity							

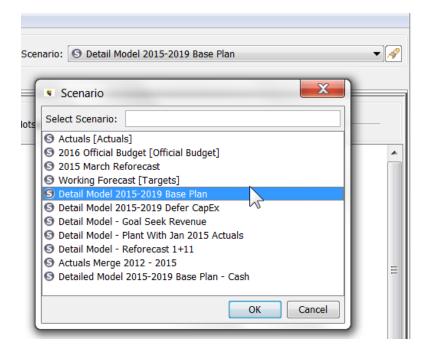
If the user attempts to change data or attributes, they will not be saved, and the user will be given a warning message. If the user tries to edit a calculation that they have View Only rights to, the Editor will open in View Mode. See Edit Calculations.

No Rights

If the user has no rights to a given object, they will not see it. In the example below, several scenarios have been assigned to the Corporate Confidential owner group.

Ore Object Editor ×	
Select Objects to Edit	
Object Type: Scenario	Filter By: Select a Scenario Group
Object ID Interface Codes Delete Owner Group Visibility Case-Name Ord	er Instance-Name/Code/Order Data Finder Alerts Admin Locks
Object	Owner Group
Actuals [Actuals]	
2016 Official Budget [Official Budget]	
2015 March Reforecast	
Working Forecast [Targets]	
Detail Model 2015-2019 Base Plan	
Detail Model 2015-2019 Defer CapEx	
Detail Model - Goal Seek Revenue	
Detail Model - Plant With Jan 2015 Actuals	
Detail Model - Reforecast 1+11	
Actuals Merge 2012 - 2015	
Detailed Model 2015-2019 Base Plan - Cash	
Acquisition V1	Corporate Confidential
Acquisition V2	Corporate Confidential
Divest SWEGCO	Corporate Confidential

The selected user has no rights to this group – they do not see these scenarios in their scenario drop-down.



For objects that are critical to structures needed to run the model, such as cases or reports, even if the user does not have View Rights, they are still shown, but labeled as Description Suppressed by Security. The model will still run – but the user cannot see the results of the suppressed reports in Browse Reports. They do not appear in Broese Reports. See below.

🕽 Run Sequence Sets 🗴			
O Compile & Run	Publish-	ocal Show Search Panel	Sequence set View: Detail Model
Use R56765 Temp Data O Select C	Dutput Batch 👻		O Select Sequence SubSet
Feeder Reports Run All		Financial Reports Image: Run All Pass 9 change 0	Ratios & Statistics & Summary Reports
Run Report	Context	Run Report Context	Run Report Context
V Global Assumptions View: System-Wide Rates View: Utility Allocators View: Utility Allocators View: Utility Allocators View: Property Tax View: Property Tax View: Property Tax View: Other Operating Revenue View: Book Depr Rates & Rules View: Book Depr Rates & Rules View: Construction View: Costruction View: Costruction View: Costruction View: Fuel Expense Report View: Electric Revenue Schedules View: Electric Revenue Summary View: Bonds - Detailed Model View: Schedule Miterns View: Schedule Miterns View: Acount Div & Equity Contributions View: Schedule Miterns View: Acount Allocation	View: Gas Revenue Schedule View: Planning Entity View: Bonds - Detailed Model View: System Control	✓ View: Short-tern Rollover & In View: Planning Entity ✓ Description suppressed by secu View: Planning Entity ✓ Description suppressed by secu View: Planning Entity ✓ View: Cost-of-Capital - Legal E View: Legal Entity ✓ View: Cost of Capital - Jurisdict View: Jurisdiction ✓ View: Cost of Capital - Jurisdict View: Jurisdiction ✓ View: State Base per Books ✓ View: Jurisdictional Working C View: Jurisdiction ✓ View: Rate Base Adjustments Jurisdictional Adjustments Jurisdiction ✓ Rate Base Adjustments ✓ Niew: Jurisdiction ✓ Rate Base Adjustments ✓ View: Jurisdictional Earnings ✓ View: Revenue Requirements ✓ Goal Seek for Rate Relief ✓ Goal Seek for Rate Relief ✓ Cash Balancing & Auto Financing View: Planning Entity	V Description suppressed by security View: Planning Entity V Description suppressed by security View: Planning Entity

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While users can delete their User Preferences themselves, from the Preference Manager screen, there may be occasions where an administrator may need to delete a user's preferences. Select the user from the drop-down list and click Delete User Preferences. Respond Yes to the confirmation popup. The user's preferences will be deleted, effective the next time the user logs in.

Assign Security Assign Roles		
Select Role or User ID: UIDEMO	▼ A Last Name	e of User
Set Admin Lock? Email Address:		
Add User	Delete User	Delet User Preferences
Security Report-Excel	Security Report-Tab	sys-User Defined Scenario Type
Options: (set by Role: Budget User Only Start-up Options	ser Deletion eally want to delete user preferences f	or UIDEMO ?
Menu Profile:	Yes No	Nor
Planner Property Gr		bup by Role

The Delete User Preferences button is disabled if a role is selected, as user preferences are relevant only for individual users.

Copy User Preferences

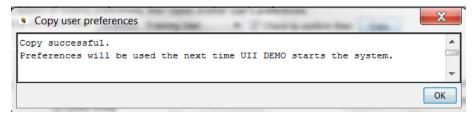
System administrators can copy one user's preferences to another user. One typical use of this functionality is for new users. Administrators may want to 'pre-set' the user preferences (Preference Manager Settings, open tabs, ordering) for these new users to ease the learning curve and make them consistent. Another use is if a user is having issues, the administrator may want to set them to another user, rather than deleting them completely.

Below are the steps to take.

- >>> Use the drop-down at the top of the screen to select the user for whom the preferences need to be reset.
- » In the Copy User Preferences drop-down, select the user with the desired preferences to copy.
- Check the box to confirm the copy.
- Click Copy.

ty		-	
es			
DEMO UII Dem	• • 8	Edit First & Last Name	
		UII	Demo
ail Address:			
	Delet	te User	Delete User Prefe
Excel	Security	Report-Tab	sys-User Defined Scer
View Consolida	ated Reports? Set	View/Edit Codes	
sys-Def	fault menu Profile	 Initial Switch 	board:
System	Level Properties	 Set Ment 	u/Planner Property group by I
			ces
-			to confirm then Copy
	•		
		101131	
			ode/Order
	DEMO UII Dem ail Address: Excel View Consolida Sys-De System all existing prefe DEMO from: TRA TYC U46 VIEW Calcula UII VIEW Calcula UII VIEW CALCULA	In the second s	IS DEMO UII Demo → → → UII ail Address: Delete User Excel Security Report-Tab View Consolidated Reports? Set View/Edit Codes Sys-Default menu Profile Initial Switch System Level Properties Set Menu all existing preferences, then copies another user's preference all existing preferences, then copies another user's preference TRAINING Training User TRAINING Training User TYOUNGQUIST Tor Youngquist UIDEMO UII DEMO UII Demo UII DEMO UII Demo

The following dialog will come up, indicating that the preferences will take effect when the user next launches UIPlanner.



Add a User

To add a new user to the system, click Add User. Enter the user's Network ID in the text box.

Add New Model User	x
Enter the UserId of the user that you wish to	add
OK Cancel	

Upon clicking OK, the user will be created and a confirmation message will be displayed. Put the user's first and last name in the text boxes, so that they can be easily identified in the system.

Manage Model Security Assign Security Assign Roles		
Select Role or User ID: A123456	Edit First & Last Name of User Arthur	Sullivan

Finally, configure the user's security settings, either by assigning them to a Role or by setting their security rights individually.

Click Close to exit the Security screen. Then select File-Save to save the changes to the database.

Roles

To add a Security Role, add it to the sys- Security Roles entity group. See Adding Roles

Budget Security

If a user is added to the system in the Budget Security screen, they are automatically added to System Security. The reason is that the System Security list determines users' initial access to UIPlanner, as well as their Create and Admin rights. However, adding a user via System Security does not automatically add them to Budget Security, since a user may not need Budget rights

Delete a User

To delete a user, select the user from the drop-down list and click Delete User. The system will display a confirmation dialog. Select Yes to confirm the deletion or No to cancel.

Please	confirm User Deletion
?	Do you really want to delete user S45631 James Stevens?

Upon clicking Yes, the user will be deleted and a confirmation message will be displayed.

Deletin	g User	X
1	User 'S45361' deleted	
	ОК	

Roles

Roles cannot be deleted using the Delete User button. To delete a role, delete the appropriate sys-Security Role entity.

Budget Security

If the system also has Budget security, deleting a user from the System Security screen will also delete them from Budget Security, and vice versa.

Sys-User Defined Scenario Type

This button allows the administrator to define role/user rights to Sys User-Defined Scenario types

	Budget		Nodel
R56765 Anne Richards	View Only	•]	View Only
554234 Sharon Smith	View Only	•	View & Edit
RAINING Training User	View & Edit	•	View & Edit
TYOUNGQUIST Tor Youngquist	View & Edit	•	View & Edit
J46352 June Underwood	View Only	•	View & Edit
JIDEMO	View & Edit	•	View & Edit
JII DEMO UII Demo	View & Edit	•	View & Edit
/67676 Susan Victor	View Only	•	View & Edit
W09876 Greg Walter	View Only	•)	View & Edit
W35443 James Williams	View & Edit	•	View & Edit
WPETTER William Petter	View & Edit	•	View & Edit
245685 Bill Zimmer	No Riahts	▼)	View & Edit

Run From Excel

This button allows the System Administrator to see and edit the user's User Preferences related to Pull Reports and Strategic Model. The user's other User Preferences are not visible. The purpose is to allow the System Administrator to control Pull Report behavior.

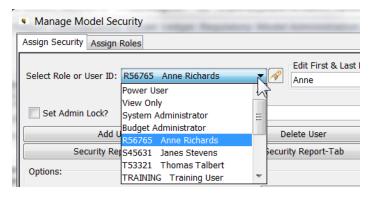
Pull Report / Run from Excel Options for userId: S54234	×	
Pull Reporting		
Pull Reports Folder: C:\0Ui\0_Documentation Updates\Pull to file 2-26	<< Browse	
Pull Reports: Export-Months & Years O Pull Reports: Export-Years only		
🔽 Erase Exported Report results from prior exports.		
🗹 Erase All results for scenario from prior exports. Note: Network deletes can take a LONG time. 🔲 Enable UIPut & Run from Excel (Strategic Model)		
✓ Include line reference with line label (X:[Income] vs Income)		
For Run from Excel Option, select:		
Scenario to run from Excel:	Case for saving data fro Report Batch for saving Pull Reports:	
Actuals [Actuals]	▼ Financial Report Package ▼	
	Close	
<u>L</u>		

Creating Security Roles

Administrators can create roles by adding them to the sys-System Security Roles entity group.



When an entity is added, it shows up in the list of roles in the System Security screen. See below.



Access to the System Security Screen

In practice, some clients limit access to the menu item itself using System Administrator Menu Profile. Users who should not have access will not even have it in their menu drop-downs. Others provide access to System Security via Admin-only switchboards

Additionally, access to the System Security screens is password controlled, and should be limited to system administrators. When the user selects the System Security menu item, this first brings up the following login window.

Manage Model Security		X
	This screen requires a password. Please enter it	
	below and click the Enter button to continue Enter Password: Enter Change Password	
\searrow		

Type the password in the Enter Password field and then click Enter to access the System Security screen.

Change Password

To change the password, enter the current password and select Change Password. Type in the new password and click OK.



This will return to the login screen. Type in the new password and hit Enter to open the System Security screen.

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UIPIanner Release Notes

On a monthly basis, Utilities International puts out a document summarizing the enhancements in the current month. Below are the Release Notes for Version 10. For Release Notes for prior versions (Version 7.0 through 9.12), please contact your Utilities International Project Manager.

UIPlanner Version 10_11
UIPlanner 10.11 Release Notes.pdf
UIPlanner Version 10_10
UIPlanner 10.10 Release Notes.pdf
UIPlanner Version 10_09
UIPlanner 10.09 Release Notes.pdf
UIPlanner Version 10_08
UIPlanner 10.08 Release Notes.pdf
UIPlanner Version 10_07
UIPlanner 10.07 Release Notes.pdf
UIPlanner Version 10_06
UIPlanner 10.06 Release Notes.pdf
UIPlanner Version 10_05
UIPlanner 10.05 Release Notes.pdf
UIPlanner Version 10_04
UIPlanner 10.04 Release Notes.pdf
UIPlanner Version 10_03
UIPlanner 10.03 Release Notes.pdf
UIPlanner Version 10_02
UIPlanner 10.02 Release Notes.pdf

UIPlanner Version 10_01

UIPlanner 10.01 Release Notes.pdf

Glossary

Α

Account

Accounts in the Planning Ledger are similar to accounts in a General Ledger. Planning Ledger objects used to accumulate postings from reports, and inputs for actual amounts. Model only.

Account Roots

Highest level of planning ledger rollup nodes. Required structure of the highest planning ledger rollup node; Revenue, Expense, Net Income, Asset, Liability, Direct Cash, and Indirect Cash. Model only.

Account Structure

An organization of rollup nodes and accounts as defined in the Planning Ledger. The Model's Planning Ledger is similar to a General Ledger.

Actuals Date

Attribute of a Scenario (or Model report) that identifies the date through which actuals data will be used. This applies to both B2 and Model. Example 1: B2 reports can use the Scenario Actuals Date to control postings to datasets. Example 2: Income Statement uses input Planning Ledger amounts up to the Scenario Actuals Date; after that date, it uses the recorded postings.

Admin Center Lock (Center Tree)

Lock on a Center node (individual or rollup) that prevents further edits. Admin Center Locks are a more restrictive lock than Center locks.

Admin Lock (Core Object Editor)

Allows System Administrators to set overriding security on an object (such as a Case or a Scenario). When the Admin Lock is on, users without Admin Lock rights will not be able to make any changes to that object. Note however, that this lock is Global, across the entire Version.

All Combinations Dataset

Dataset that provides a Cartesian of all combinations of the related dimensions of the dataset.

Allocation

Spreading of an amount across a defined group. These may be UPlanner objects (planning entities, projects, accounts, etc.) or members of a dataset. Can be done using multidimensional calculations, model calculations, or the UIPlanner Edit Allocations functionality.

Application Environment

Construct in UIPlanner that allows the user to tag a scenario or development environment (DEV/TEST/PROD) and configure the display accordingly.

Association

Type of attribute of an entity group which points to another entity group. Examples: The entity group Generation Units has an association, or pointer to, the Plant Type entity group

Attribute

Information used to characterize or categorize an object (Entity, Report, Line, Scenario). These include Associations (see above). Other Attribute examples include: Bonds have Issue Dates and Retire Dates.

В

B2

The internal name given to the multidimensional calculation engine when it was first released, as it was at that time a new release of the budget system. B2 has now become a shorthand term for the multidimensional framework as a whole.

С

Case

All data in UIPlanner is stored in one of several different case types – Formula, Attribute, Time Data, Multidim, Tree, Interface etc. Scenarios are made up of Cases.

Client/Server

UIPlanner implementation in which client machines communicate directly with the back-end database, with no middle tier.

Combo/Combination

Entries or rows in datasets, comprised of the defined dimensions. Example: entries in a budget grid are composed of the required code block elements

Compile (Model)

In running the Financial Model, the Java compiler takes the UIPlanner calculations in the sequence and converts them into running Java code on the client machine.

Compile (Multidimensional):

The second of the three steps when running a rule set in the Multidimensional Calculations screen. Compile is when the Java compiler takes the UIPlanner calculations in the sequence and converts them into running Java code. With middle tier installs, the code is compiled on the application server.

Compound Filter

A filter that is built from one or more Entity filters and compounding arguments. Example: Budgetable Projects at French Station = Entity Filter (Projects with Budgetable Flag set to "Yes") AND Entity Filter (Projects with Owning Center at French Station). Also called a Gold Filter.

Context (Center Tree)

The Center currently selected by the user in the tree. Grid Instances are typically context-driven – the user sees data only for the current context and below in the tree.

Context (Model)

The Entity Group(s) that a calculation is running over (e.g., a Bond report would have a context of Bonds – the calculation would run for each Bond in order)

Context (Switchboard)

Construct which allows administrators to build switchboards that react to previous selections and/or security settings.

D

Dataset

A multidimensional data structure. The dimensions of a dataset are comprised of Entity Groups (e.g., Planning Entity, Center, Project, Account, Resource). Datasets can be numeric (dimensions x numeric values across time) or entity values (dimensions x single entity value).

Default Code

A numeric value/internal code assigned to an object in the system (e.g., Account Code). Default Codes are used predominantly by Multidimensional implementations; linking to codes used by external client systems.

Default Name

Name assigned to an object (e.g., Account Name). Default names are used predominantly by Multidimensional implementations.

Dimension

Column of a dataset. Dataset dimensions are composed of either Entity Groups or Accounts.

Disambiguate

To choose one of several available constructs. If a Filter is applied to a dataset that has Center in several columns (Responsible/Source/Charge To), it need to be "disambiguated" to identify which one to use. In Reporting Views, disambiguating allows the user to create multiple views based on Center tree selection without creating duplicate datasets with the dimensions in different orders.

Ε

Entity

One of the Core Object types in UIPlanner. Entities are used as dimensions in datasets, and as the context for Model reports. Examples: Gas, Common, Electric are entities in the Product entity group; Salaried and Hourly are entities in the Employee Type entity group. Entities are also used in Tree structures, for consolidation hierarchies, and in the security framework, to name a few.

Entity Filter

A simple filter based on one Entity Group (or Account tree). Example: Budgetable Projects at French Station = Projects with Budgetable Flag set to "Yes". Also called a Silver Filter.

Entity Group

A group of Entities. Example: Bonds is an Entitiy Group, and individual bonds are memebers of the group.

Entity Group Tree

The entire Entity Group structure in the Edit Attributes screen where the highest node is Super Entity Group, followed by Entity Groups, and finally Entities

Entity Value Dataset

A dataset that has entity codes as the monthly values rather than numerical amounts.

F

Function

UIPlanner functions are similar to functions in Excel in that they can take one or more parameters as input for function arguments.

G

Grid Instance

A screen in UIPlanner for viewing, entering and editing data. Most often just called the Grid, it is comprised of dimensions on the left side, or Entity Groups and Entities, and time on the right side. Once configured with a source dataset and rules, it will show up as a menu item.

I

Incremental Case

Time data case where the numeric data adds or subtracts from the current winner value. This is different than the Overlay Case

Instance Table (UIP_Instance)

One of the tables in the UIPlanner data structure. It contains a unique list of all Object IDs in the Version. When objects are created, the unique Object ID is added to the Instance Table. When Objects are deleted, that entry is deleted

J

Java Console

Java window that displays key information about the user's UIPlanner session, including Java error messages. Also known as the stack trace.

L

Lag Factor

Monthly factors (percentages) representing cash receipt or payment for an accrual transaction posted to the Planning Ledger. Lag factors should total 100 percent and make up a Lag Pattern. Model only.

Lag Pattern

A specific pattern of cash receipt or payment related to an accrual transaction. The lag pattern is represented by monthly lag factors. Model only.

Lazy Load

Loading of entities or attributes that has been deferred until they are needed, rather than load on start-up. Lazy loading provides performance benefits on startup. Only applicable when running with the Middle Tier.

Linked Concept

Construct in the Customer Revenue module that enables calculation re-use across sequences. The user builds named concepts and then associates these concepts to different lines in each sequence

Loop Over

See Context (multidimensional)

Μ

Menu Item

The selections at the top of the UIPlanner screen. Each menu item contains a dropdown list of screens or options

Method

Feature in Wide Reports that allows the user to define a formula for the Method, and every line in the report between the Begin Method and End Method that is left blank will use that function. Model only.

Middle Tier

In a three-tier environment, the server that contains the business logic of UIPlanner. See Application Server.

Multidimensional

UIPlanner capability that supports datasets and calculations with a variable number of dimensions. The Financial Model calculations support one or two dimensions; with multidimensionality, the user has up to 30 dimensions. Also called B2

Multidimensional Cache

In a three-tier environment, the multidimensional cache contains key data in memory on the server, such as filter definitions.

Multidimensional Case

Data case used in multidimensional scenarios. Multidimensional data cases can hold various datasets with varying dimensionality.

Multi-threading

Capability to divide the operations in an instruction set into individual processing threads for performance gains.

Ν

Non-Transactional Dataset

Dataset that does not change frequently, such as G/L actuals or allocation percentages. Flagging a dataset as Non-Transactional (on the Administer Multidimensional Calculations screen) has

performance and memory benefits.

0

Object

Structural elements in UIPlanner. These include Scenarios, Entities, Reports, Cases, Accounts, etc. They also include the various elements that facilitate codifying business rules. UIPlanner objects can be viewed in the Core Object Editor.

Object ID

Unique internal identifier for an Object in UIPlanner. Every Object created in UIPlanner has an Object ID automatically assigned to it.

On Disk Dataset

Dataset that is stored on the database server

Overlay Case

Time Data case or Attribute case where the values supersede or "overlay" preceding winners.

Ρ

Pending Attribute Saves

Attribute changes and new object entries that have not yet been saved to the database. Shown in the View Pending Attribute saves menu item. The user still has the ability to undo or back out these changes.

Planner Properties

System configuration screen that has various system-level settings. Examples: License key, fiscal year start month, location of published scenarios, or LDAP settings, etc. Planner Properties are global across the current Version.

Planning Ledger

The UIPlanner Financial Model's internal General Ledger. The Planning Lledger contains an account structure for posting results of forecasted financial information generated by UIPlanner or for storing historical results uploaded from the client G/L. Model only.

Pointer to another Entity

Establishes a relationship between two Entity Groups.

Posting (Model)

Assigning Debits/Credits for a report transaction to accounts in the Planning Ledger.

Posting (Multidimensional)

Assigning the results of a line in a multidimensional instruction set to a dataset.

Preferences

Individual user settings as defined in the Manage Preferences screen, as well as the settings from the user session (e.g., which tabs are open, screen sizes, and Browse Reports settings). User Preferences are loaded when the user enters the system, so that the application 'remembers' how the user had it configured from the prior session.

Primary Entity Group

The Entity Group that a 1-Dimensional Model calculation runs over. The first entity group in a 2-Dimensional report. See also: Secondary Entity Group.

Process Log

Table in UIPIanner (UIP_Process_Log) that records summary results and statistics related to Tasks. Available in the Task Manager, under the Process Log tab

Publish (Model)

Financial Model scenario results can be published for use by other scenarios. Publish Compare sends all model results for use in Scenario Compare reporting by other Model scenarios. Publish

Transfer can send the Model ledger and datasets to Published Datasets. Publish T2 Transfer makes model results available for use in other model scenarios.

Publish (Multidimensional)

Publishing multidimensional datasets and instruction sets saves them to the database. They are then available to other scenarios (both multidimensional and model) and other rule sets within the current scenario.

Pull Reporting

A feature in UIPlanner that allows users to link Excel spreadsheets to UIPlanner data. With Model Pull Reporting, users export model results, which are then linked from the spreadsheet. B2 Pull Reporting allows users to link directly to UIPlanner datasets

Q

Q2

List of properties and structural configurations for other UIPIanner objects beyond Entities, Reports and Calculations, Attributes and Associations. Q2s help define the overall structure of UIPIanner. Examples include Account attributes, Scenario settings, Postings, etc. Q2s can be viewed in the Core Object Editor. Note – the name Q2 refers to the column in the UIP_Attribute table that contains these values.

R

Reference Scenario

In the Budget Grid, the user can choose to have a different Budget scenario display for comparison purposes. Only directs (dollars/hours) are shown, and the amounts are not editable.

Related Scenario

Construct that enables efficient linking of scenarios, for transfer of information or for comparison reporting. Once a Related Scenario is set up, calculations and functions can refer to just to that

identifier; the user need only change the specific scenario (on Manage Scenarios). See also Transfer Scenario.

Report Batch Tree

Tree structure displayed on the Browse Reports screen. The tree is made up of Report Batch, Report Group, Report and Entity, if specified.

Report Column Set

Pre-set definition of time columns, used for both model and multi-dimensional reporting. Report Column sets are user-configurable, along with a number of default column sets. Also called Custom Column Set

Report Stack

Report Stacks are predefined sets of Pivot Reports that can be run as a group by selecting to run the Report Stack.

Results of Calculations Dataset

A type of dataset that contains amounts posted from multidimensional instruction sets. Data is only visible in a Results of Calculations dataset if it has been posted from the Instruction Set(s).

Rollup Node

Grouping of accounts or other rollup nodes in the Planning Ledger. Rollup Nodes can be called in a report using the Account Function.

Rule Set

In Multidimensional implementations, Rule Sets contain the Instruction Sets and Datasets for calculations.

Runtime Parameter

Runtime Parameters are settings or options that are available when running certain functions (e.g. Data Imports) from within Tasks.

S

Scenario Identity

Scenario identities facilitate flexible reporting. Examples: "Most Recent Reforecast" or "Most Recent Budget". Once users change which scenario associates to this identity, reports will reflect that change, and users need not build new reports

Secondary Account Structure

The UIPlanner Planning Ledger has a primary account structure, and allows creation of additional (usually only one) secondary account structures. Model only.

Secondary Entity Group

The second Entity Group used when a report is run over two entity groups. See also: Primary Entity Group. Model only.

Security Rights

The actions that a user has access to in the system, as defined in Budget Security or System Security. Examples include: Enter Budgets, Approve Budgets, Lock Centers.

Security Roles

A collection of rights that can be assigned per user. Examples include System Administrator, Budget Coordinator, Read Only.

Sequence Set (Model

Core of the Financial Model, which consists of several columns of model reports. When the model is run, all reports in sequences are run in order.

Sequence Set (Multidimensional)

See Rule Set

Server Cache

Information that is stored in the middle tier server memory.

Share (Calculation)

To take a calculation or instruction set and make multiple copies of it. The different versions "share" the same lines and labels, but can behave differently. In Wide Reports (Model), the reports are not only shared but can also have different functions and postings.

Shared Run

A multidimensional sequence run, the results of which are available to multiple users. This prevents multiple users from having to run the same sequence; the results of one run are available to all.

Shared Tables

Construct that allows multiple instances of UIPlanner to share Entity Groups and published datasets.

Skew

Construct which allows UIPlanner users to define an offset so that comparison reporting has consistent time settings

Special Types

Configuration screen in UIPlanner that is used to assign and identify specific objects for the UIPlanner calculation engine. Example - identify the Planning Ledger accounts for the Account Roots.

Stack Trace

See Java Console.

Super Entity Group

Super Entity Groups contain Entity Groups. They are a way to filter down the Entity Tree, by defining broad categories. Example - Budget Entity Groups or Capital Entity Groups.

Switchboard

A switchboard consists of graphics and other images such as flow diagrams that contain clickable areas which invoke actions in UIPIanner. Hotspots on a switchboard can run tasks, open menu items, run reports, open other switchboards and multitude of other actions.

Т

T2/S2 Transfer

Feature of the model that allows users to transfer report results from one scenario to another. T2 is between Model scenarios, and S2 is from Model to Strategic Model.

Task

Set of functions and commands that link UIPlanner actions into a single process. Configured using the Task Manager screen.

Time Dependent Data

Data that changes over time, i.e. monthly or annual information. Time Dependent data is stored in Overlay/Incremental Time Data cases (Model) and Multidimensional Data Cases (B2). Also called Numeric Data or Time Data.

Tolerance

Degree of precision checked by UIPlanner when running iterative reports or sequences. See Iteration.

Trait ID

Unique identifier for objects used by multidimensional implementations. Assigned at startup, it provides performance benefits for large datasets.

Transfer Scenario

Used for communication of selected report results between scenarios. Model only.

Tree

Hierarchical structure of Entities with a parent-child or rollup relationship. Examples: Center Tree or Cost Element Tree

V

Validations

Calculations that run over datasets or trees to check the items against business rules. Also used to populate dropdown lists (e.g., in Add Combo in the Grid) based on previous selections.

Version

When logging into UIPlanner, users log into a specific Version. All changes in a given version do not impact other versions. Versions are a way of archiving UIPlanner at a certain point in time.

W

Wide Reports

Wide Reports are a construct in UIPlanner that allows the user to build a group of reports that process together. They all have the same lines and labels but can use different calculation logic on each line.

Winner logic

Rules applied to multiple cases in a scenario to determine what data should be used in the run. Winner logic selects the "winner" datum from all cases in the scenario using the defined case order

Wrapper

An interface that is built to present a calculation to the end user in a user-friendly fashion.

Write Rule

Defined mapping of one dataset to another. This allows the user to transfer or copy values from one dataset to another.

Zero Case

Ζ

Attribute case (in UIP_Attribute) that contains information that crosses all scenarios in a version, independent of the Base Attribute or Overlay attribute cases. Among the information in the Zero case are scenario definitions, menu structures, and security information by user.