

# Effectively Using Allocations

**The allocation functionality in Peoplesoft General Ledger has significant functionality beyond merely allocating rental costs.**

**By using creativity in the use of trees and additional chartfields, the functionality can become a primary tool. In this presentation, learn about creative techniques to solve business problems**

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# Introduction

# Background

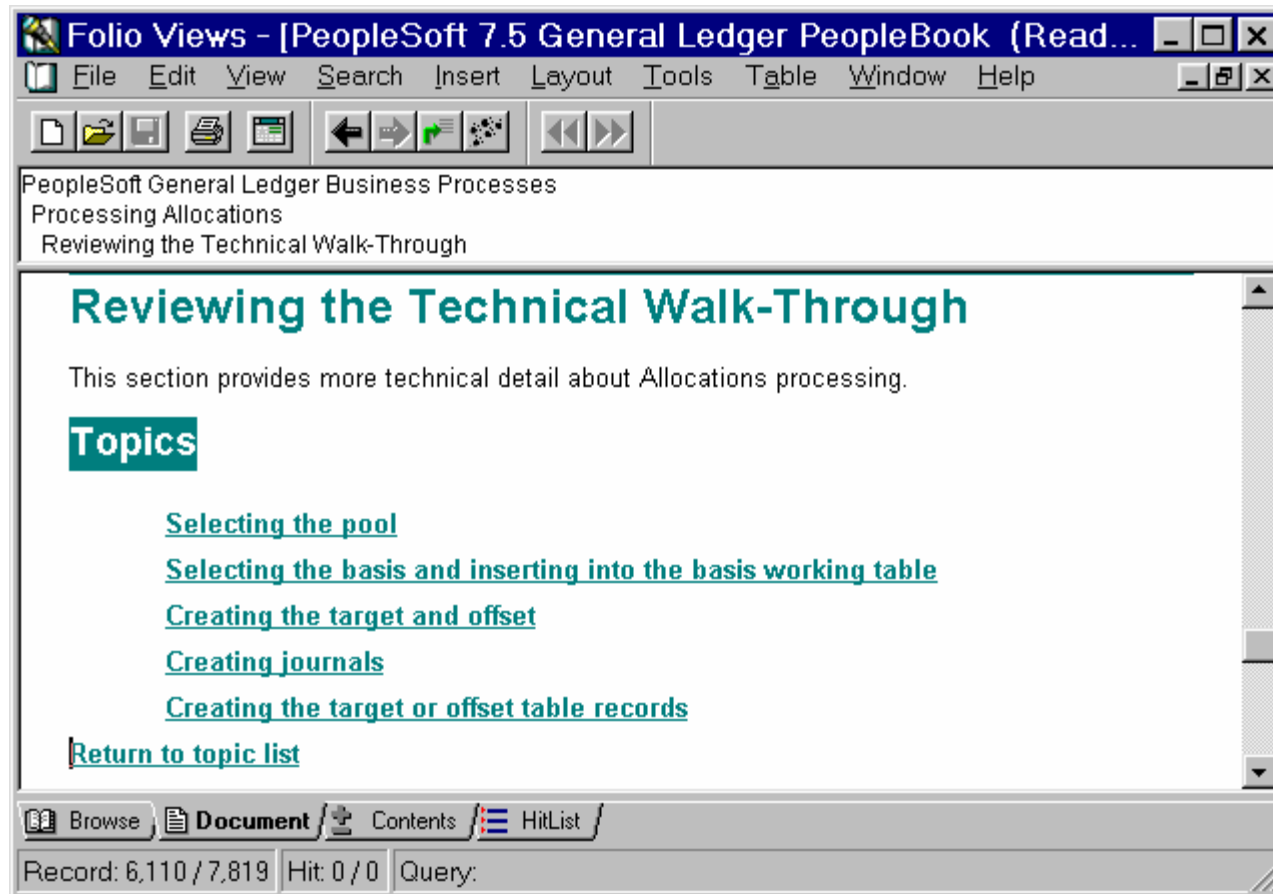
- **Petro-Canada acquired Peoplesoft General Ledger in 1993, Version 1, and Accounts Payable in 1999**
- **Have used allocations to perform business functions rather than acquiring modules**
- **Current release is 8.42; upgrade in progress to Version 9.0**

# Agenda

- **Basic Allocation**
- **Moving Costs**
  - **Moving Costs to a Target**
  - **Moving Costs to a Different Chartfield**
  - **Moving Costs to the Same Chartfield**
- **Creating Data**
  - **Straight Line Lease Amortization**
  - **Accruing for Costs**
  - **Unit of Production Depreciation**
- **Conclusion**

# BASIC ALLOCATION

# Peoplebooks provide the beginning



# Allocation Terminology

Term	Explanation
<b>Allocation</b>	<b>A calculation that creates journal entries from selected data</b>
<b>Type</b>	<b>The calculation method</b>
<b>Pool</b>	<b>The data that is selected</b>
<b>Basis</b>	<b>The data used to create percentages</b>
<b>Target</b>	<b>The data created by applying the type and the basis to the pool</b>
<b>Offset</b>	<b>The data with the opposite sign</b>

# Allocation Terminology

Term	Explanation
<b>Group By</b>	<b>The function that determines how the pool and basis are connected</b>
<b>Allocation Step</b>	<b>The data used by the system to perform the calculation</b>
<b>Allocation Group</b>	<b>Steps are executed in groups by run control</b>
<b>Clearing</b>	<b>Percentages entered by the user for use in allocations</b>



# Allocation Terminology

Term	Explanation
<p><b>Timespan</b></p>	<p><b>Uses the As of Date to determine the accounting periods included in the pool</b></p> <p><b>If the pool includes the offset, the timespan can be longer than a period</b></p>
<p><b>Factor</b></p>	<p><b>Enables the pool to be increased / decreased by a percentage</b></p>

# Allocation Terminology

Types	Explanation
<b>Copy</b>	<b>Copies pool amounts to the target and offset, using either fixed or basis values, (Processing Fees)</b>
<b>Pro Rata</b>	<b>Pool * Basis / Total Basis creates the target, (Vehicles)</b>
<b>Arithmetic Operation</b>	<b>Pool (operation) Basis creates the target (Accrual)</b>

# A process to follow

- **Create the journal that you want**
  - Define the **TARGET** and the **OFFSET** parts
- **Where can the data be found**
  - Which data needs to be changed
  - Which data provides the new data
- **Connect the parts to allocation terminology**

# Decide the Method

Type: **Pool** | Basis | Target | Offs

SetID: 90995 Step: TESTING

**Effective Date**

'Effective Date: 01/01/1999 Status:  Active

'Description: Test

'Allocation Type: **Allocate on Fixed Basis** (selected)

Transaction Code:   
Arithmetic Operation   
Copy   
Prorata with Record Basis   
Spread Evenly

- **Allocate on Fixed Basis (Percentages not available to users)**
- **Arithmetic Operation (a one step calculation)**
- **Copy (move the pool to a new chartfield)**
- **Prorate with Record Basis (Percentages updated via Clearing Information)**
- **Spread Evenly (allocate amounts equally)**

# Decide the Output

Effective Date: 01/01/2004    Status: Active    Description: OD&O SSU Split-DI

▼ Target Record

Target Record Type: Journal Records    Target Ledger: ACTUALS

Time Span: PER    Basis Span Opt: Combine Periods for Basis    Target Span C

**Specify Field Values** [Customize](#)

Field Name	Source	Field Mapping	Value
Account	Basis		
Business Unit	Basis		
Department	Basis		
GL Detail	Basis		

- Determine what is required in the journal rows
- Use the chosen method to derive the entry amounts
- Determine which of the rows will be the TARGET and which will be the OFFSET
- Use the information to construct the POOL and BASIS data

# Allocations are calculations

**The pool is a summation  
of values from a table**

**The basis is a number to be  
applied to the pool**

**An arithmetic operation,  
usually multiplication, is  
the method of application**

**(pool)(operation)(basis) = result**

**(cost)( x )(percent) = distributed amount**

Pro Rata is the same as Percentages when the numbers add to 100

<b>Value</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>
<b>A</b>	<b>15.33</b>	<b>21.8906%</b>	<b>2,189.06</b>	<b>21.89%</b>
<b>B</b>	<b>17.20</b>	<b>24.5609%</b>	<b>2,456.09</b>	<b>24.56%</b>
<b>C</b>	<b>19.40</b>	<b>27.7024%</b>	<b>2,770.24</b>	<b>27.70%</b>
<b>D</b>	<b>18.10</b>	<b>25.8461%</b>	<b>2,584.61</b>	<b>25.85%</b>
<b>Total</b>	<b>70.03</b>	<b>100.0000%</b>	<b>10,000.00</b>	<b>100.00%</b>

# Basis Values can be entered

- **In the Allocation**
  - Where the percentage does not change
  - Where the pool / basis chartfields are the same
- **In a Ledger**
  - Where ledger loads of values can be used
  - Where the fields used are chartfields
- **In a Custom Table**
  - Where users enter the amounts / percents
  - Where the chartfields and values change



# Basic Concepts

- **Mapping can create values in chartfields**
- **Group By field must exist in Pool and Basis**
- **Tree Maintenance GLS9001 can load data into trees to maintain the list of values**
- **Pro Rata adding to 100 creates percentage**
- **Only one row in the Basis multiplies by 1**

# Transfer Costs

# Cost Transfer Types

- **Copy the POOL with no BASIS**
  - Work in Progress
- **Copy the POOL using cost objects in different chartfields**
  - IT Project Costs
- **Copy the POOL using cost objects in the same chartfield**
  - Vehicle / Facility Costs

# Work in Progress

# Work in Progress Allocation Journal

- **Projects are initially set up as Work in Progress (AWPWIP)**
- **Costs are charged to Work in Progress accounts**
- **Project is changed to capital (AWPCAP) or expense (AWPEXP)**
- **Allocation moves costs to the appropriate accounts**

# Work in Progress

Journal ID: CAP0580001

Date: 01/31/2008

Process: [Edit Journal](#)

[ria](#)

Errors Only

Line: 10

Unit	Project	Dept			
10200	P388002	2200100			
10200	P388002	2200100	091001	4.07	200801
10200	P387245	3000000	058996	-3,280.80	200801
				3,280.80	200801
				-1,650.26	200801
				1,650.26	200801
10200	P407177	3520750	058996	-639.30	200801
10200	P407177	3520750	091001	639.30	200801
10200	P407226	3520765	058996	-127.86	200801
10200	P407226	3520765			

**The Pool is the costs in accounts like 058 for the same project**

**The Target is the same chartfields except the account which is a value**

**The Projects are selected based upon a Tree Node**

# Selecting the Projects

**The attribute for Work in Progress is updated to a tree each night and specified in the POOL**

50-G/94-J-9 Inj Test

By: LOVIE

Account: 072995

\*WIP Node: AWPCAP

008 by n\_rstcye

Last WIP Upd: 02/08/2007 08:21

- ALL - All Value
- ACT - Active Work In Progress
  - AWPCAP - Active Capital Work in Progress
  - AWPEXP - Active Expense Work in Progress
  - AWPNON - Active Projects Non WIP
  - AWPWIP - Active Work in Progress Proj
- INACT - Inactive Work In Progress
- HIST - Historical

**Pool Fields**

\*Field Name: Account

How Specified

Selected Detail Values  Select

Tree Type: Detail

Tree Name: MAJOR

**Specify Values/Range of Values/Tree Node:**

Value

MJ058

\*Field Name: Project

How Specified

Selected Detail Values  Select

Tree Type: Detail

Tree Name: WIP\_IND

**Specify Values/Range of Values/Tree Node:**

Value

AWPCAP

This would be a straight copy except for the transaction month

**The BASIS needs only one record for each accounting month, ProRata of 100%**

▼ Data By Period

<u>Account</u>	<u>Dept</u>	<u>Project</u>	<u>Affiliate</u>	<u>Occur DT</u>	<u>*Per</u>	<u>Posted Total Amount</u>	<u>P</u> <u>A</u>
056996				20080	1	1.00	

**The OCCUR\_DT value corresponds to the accounting period, the value of OCCUR\_DT is determined by the BASIS timespan of PER**



# Comments on this allocation

- **Process needs an allocation for every major (POOL)**
- **Allocation Steps do not change**
- **BASIS is 12 records that can be copied to the new year**

# IT Project Costs

# IT Project Allocation Journal

ITCLR20001      Date: 12/31/2007      'Process: Edit Journal      Process

Errors Only      Lines: 10

<u>Jnit</u>	<u>Project</u>	<u>Dept</u>			
10160		DE7290	890974	1,558.00	P917035
10200			207171	1,168.50	P917035
10200		DE7410	890974	5,063.50	P917035
30201	P917035	G30565	890		

**A chartfield GL\_DETAIL identifies where the cost is from**

**The POOL is apportioned to different chartfield combinations**

**The Target crosses business units**

# IT Project Cost Allocation

- **IT project costs are charged to an IT cost centre and allocated to business cost centres.**
- **Project is set up**
  - **Project is created with applicable attributes**
  - **Project is added to the STATISTICS ledger using the percents as amounts**
- **Costs are cleared to the business units responsible for the project**

# The BASIS in the STATISTICS ledger

**The Project is entered to enable the GROUP BY**


**The percents are entered as dollars so prorata will convert to %**

Account	Dept	Project	Affiliate			
890974	DE1495	B913042	10:	1	10.00	
890974	DE7230	B913042	10:	1	20.00	
207171		B913042	10:	1	10.00	
890974	DE7290	B913042	10:	1	20.00	
890974	DE7410	B913042	10:	1	40.00	

**Business Unit 90995 is used in order to cross business units / setids**

**The affiliate is used to enable MAPPING to the business unit**

# The Target for this allocation

Time Span:   Basis Span Opt:   Target Span Opt:

**Specify Field Values** [Customize](#) | [Find](#) | [View](#)

<u>Field Name</u>	<u>Source</u>	<u>Field Mapping</u>	<u>Value / Mask</u>
Account <input type="text"/>	Basis <input type="text"/>	<input type="text"/>	
Business Unit <input type="text"/>	Basis <input type="text"/>	Affiliate <input type="text"/>	
Department <input type="text"/>	Basis <input type="text"/>	<input type="text"/>	
Project <input type="text"/>	Group by <input type="text"/>	<input type="text"/>	
GL Detail <input type="text"/>	Pool <input type="text"/>	Project <input type="text"/>	

# A report to verify the result

Account	Project	Description	Period	Year	Total
Department			484,388.42	613,242.40	622,917.47
Accounts			484,388.42	613,242.40	622,917.47
Project			484,388.42	3,640,780.01	19,239,852.33
ALLOCATE	ALLOCATE	Alloc	0.00	(3,027,537.61)	(18,616,934.86)
ITALLOC	ITALLOC	IT AF	320,746.14	3,477,137.73	10,967,895.23
TEMP	TEMP	Temporary Node	3,705.00	132,558.98	132,558.98
Blank		NO DESCRIPTION - BLANK PROJECT	0.00	0.00	9,675.00
Total					11,110,129.21
Confirm					FALSE
Detail			484,388.42	613,242.40	622,917.47
Blank					9,675.00
	B911014		Purchase Wellmaster Software		0.01
	B911025		Leveraging U/S Imaging Pilot		0.02
	B911033		Vision Browse Enhancements		0.01
	B911034		OBLM Land Implementation		0.03
Account Balance					9,675.07

**Current Month and Year To Date should be zero after Stage 2**

**ITALLOC not equal to PROJECT means project is not set up**

**List of known variances from previous years**

# Comments about the allocation

- The **STATISTICS** ledger is unfriendly for this use, therefore it was replaced with ‘a table of values’.
- The allocation uses the **GROUP BY** and **MAPPING** options to generate the result
- The project was common to the **POOL** and the **BASIS**, other chartfields changed



# Vehicle Cost

# Vehicle Allocation Journal

ID: CL2VEH0001      Date: 01/31/2008      \*Process:    
 Errors Only      Line:

ck	Unit	Project	Dept	Account	Amount	Affiliate	Detl
	10200		4698020	600003	562.62		V003603
	10200		6980600	600003	562.62		V003603
	10200		V003603	610999	-1,125.24		V003603

**The POOL and BASIS DEPTID  
are not the same**

## Two Steps are Required

- **Because the Group By must use the same Chartfield; a separate step for each vehicle would normally be required**
- **If another chartfield had common values in the POOL and BASIS then only two steps would be required for all vehicles**
- **Step 1 creates the the other chartfield**
- **The second step allocates the values using Group By and Mapping**

# Step 1 is a simple copy

Time Span:  Basis Span Opt:

**Specify Field Values**

Field Name	Source	
Account	Value	610999
Department	Pool	
GL Detail	Pool	Department
Occur DT	Pool	

**The account is fixed so that the sum of the costs will be allocated, and can be offset**

**Mapping creates a value that GROJP BY can use**

**Specify Field Values** Customize | Find | View All | First 1-4 of 4

Field Name	Source	Field Mapping	Value / Mask
Account			610999
Department			
GL Detail			ALLOCATION
Occur DT	Pool		

**This value will create the offset to the costs**

# Additional set up required

- **As the department code is going to become a GL\_DETAIL value, when the vehicle is created as a DEPTID, it is also created as a GL\_DETAIL**

## Step 2

- **Uses a custom table rather than the STATISTICS ledger**
  - User can enter the data
  - Edits verify that the percents add to 100
  - Effective dating provide history
- **Uses a view of the custom table**
  - To eliminate the effective dated records
  - To convert the entered chartfield to GL\_DETAIL
- **Uses the GROUP BY on the GL\_DETAIL field**

# Clearing Data rather than Ledger Data

**Clearing Info** [Find](#) | [View All](#)

<b>SetID:</b>	90995	<b>'Unit:</b>	10200 <input type="text"/>	<b>Specify:</b>	Vehicle
<b>ChartField:</b>	DEPTID	<b>From Account:</b>		<b>To Account:</b>	
<b>Object ID:</b>	V003090	<b>Tree Name:</b>		<b>Tree Node:</b>	
<b>Description:</b>	Tool Body Crane				

**\*Effective Date:** 01/01/2001  **\*Status:** Active   
**Last Update:** 04/29/1993 00:00:00

**\*Percent:** 100.00000  **Complete:** Y **User:** CONVERT

<a href="#">Customize</a>   <a href="#">Find</a>   <a href="#">View All</a>   <input type="button" value="grid"/>						
						First <input type="button" value="left"/> 1-3 of 6 <input type="button" value="right"/> Last
<b>*To Unit</b>	<b>*To Chartfield</b>	<b>To Object ID</b>	<b>Description</b>	<b>*Account</b>	<b>Percent</b>	
10200 <input type="text"/>	DEPTID <input type="button" value="v"/>	3852300 <input type="text"/>	Utikuma Ptns T 81 82 R 9 10	600003 <input type="text"/>	1.00000 <input type="text"/>	<input type="button" value="+"/> <input type="button" value="-"/>
10200 <input type="text"/>	DEPTID <input type="button" value="v"/>	3893630 <input type="text"/>	Utikuma Field Office & Warehou	600003 <input type="text"/>	4.00000 <input type="text"/>	<input type="button" value="+"/> <input type="button" value="-"/>
10200 <input type="text"/>	DEPTID <input type="button" value="v"/>	3893655 <input type="text"/>	Utikuma Field Split	600003 <input type="text"/>	24.00000 <input type="text"/>	<input type="button" value="+"/> <input type="button" value="-"/>

# Step 2 Target uses the GROUP BY

**Effective Date:** 01/01/2000    **Status:** Active

▼ Target Record

**Target Record Type:** Journal Records

**Time Span:** PER    **Basis Span Opt:** Combine

**Specify Field Values**

<u>*Field Name</u>	<u>*Source</u>	<u>Field</u>
Account	Basis	
Business Unit	Basis	
Department	Basis	
GL Detail	Group by	
Occur DT	Pool	
Project	Basis	



# Comments about the allocation

- **Using the Clearing Table causes us to see every allocation as allocating from GL\_DETAIL**
- **Used this process for the IT Project allocation to avoid the STATISTICS ledger**
- **Is effective regardless of the number of vehicles; and does not require manual determination of the number of cost objects to be allocated.**

# Copy Data Allocations

# Final Notes

- **The POOL and BASIS chartfields need to be the same for GROUP BY**
- **MAPPING is effective in moving data into other chartfields**
- **The Statistics Ledger can be used to store percents, but a custom table is user friendly**
- **If you can manually create the journal using tree nodes and calculation, it can be done by allocatio**

# Other Copy Data Allocations

- **Eliminate chartfields to reduce Period 0 rows**
- **Transfer Financial Planning Seminar costs to Labour Burden Liability account**
- **Transfer costs of a project from one department to another**
- **Reclassify Revenue (processing fees) to Expense**

# Creating Data

# Examples of Calculated Transfers

- **Lease Amortization**
- **Unit of Production Depletion**
- **Project Accrual**

# Lease Amortization

: LSYEAR0001

**Date:** 01/31/2008

**Process:** Edit Journal

Process

**Errors Only**

**Line:** 10

istics Exchange Rate

<u>Unit</u>	<u>Project</u>	<u>Dept</u>	<u>Account</u>	<u>Lease</u>	<u>Amount</u>	<u>Occ DT</u>
10200		3501075	202006	0002052454	-432.46	200801
10200		3501075	910100	0002052454	432.46	200801



# Lease Term

SetID: 90995      Lease Cd: 0002052454

Lease Effective Date:	04/13/2004	Lease Status Effective Date:		Lease Status Code:	
'Description:	<input type="text" value="PN 53755"/>	GL Lease Status:	<input type="text" value="Active"/>		
'Short Description:	<input type="text" value="PN 53755"/>				
Lease Term:	5	Term UOM:	Years		
Acquisition Date:	04/13/2004	Acquisition Method:	LANDSALE		

	B	C	E	G	H	K	L	M
2	<b>Lease Unproven Land Depreciation Calculation</b>							
3	%ASD,LACTUALS%							
4								
5	<b>Node</b>	<b>From</b>	<b>Lease</b>	<b>Term</b>	<b>Unit</b>	<b>Cost</b>	<b>Amortized</b>	<b>Net Book</b>
6	YEARS	All Leases	All Leases	5	YEARS	5,000.00	(1,000.00)	4,000.00
7								

# Definition

SetID: 90995 Step: LEASE\_YEAR

## Effective Date

[Find](#) | [View All](#) First 

'Effective Date:   Status:  

'Description:

'Allocation Type:   Extension opcode:  

Transaction Code:   General Trans Code

# Cost and Term are the Pool

**Amortization equals  
Posted Amount \* Factor /  
Lease Period where factor  
is a percentage converting  
years into months (100/12)**

**'Field Name:** Account

**How Specified**

Selected Detail Values  Selected Tree

**Tree Type:** Detail

**Tree Name:** MAJOR

---

**Specify Values/Range of Values/Tree Nodes**

**Value**

MJ078

---

**'Field Name:** Lease Cd

**How Specified**

Selected Detail Values  Selected Tree

**Tree Type:** Detail

**Tree Name:** LEASE\_TERM

---

**Specify Values/Range of Values/Tree Nodes**

**Value**

YEARS

# Basis finds the Lease Data

**Effective Date:** 01/01/1999    **Status:** Active    **Description:** Leases with Yearly Terms

**▼ Basis Record**

**Basis Record Type:** Any Table    **Table:** PCR\_LEASE\_CD

**Time Span:**     **\*Basis factor:** 100.0000

**Zero Basis:** Select Next Basis

---

**Basis Fields** [Find](#) | [View All](#) | [First](#)

**\*Field Name:** Lease Cd

**▼ How Specified**

Selected Detail Values   
 Selected Tree Nodes   
 Range of Values

**Tree Type:** Detail    **Set Control Value:**

**Tree Name:** LEASE\_TERM    **Level Name:**

---

**Specify Values/Range of Values/Tree Nodes** [Customize](#) | [Find](#) | [View All](#) | [First](#)

Value	To	%
YEARS		

# Amount Fields find the term

Allocation Amount Fields <span style="float: right;">+ -</span>			
Amount Field	Pool	Basis	Target
Amount	Posted Total Amount	Lease Term (Periods)	Foreign Amount
Base Amount	Posted Base Currency Amount		Monetary Amount
Log Amount	Allocations Pool Amount	Alloc Basis Amt	Alloc Target/Offset Amount
Log Base Amount	Allocations Pool PBA Amount		Alloc Target/Offset PBA Amt
Log Basis Total Amount		Alloc Basis Total	

# Comments about the allocation

- **The tree load determines which calculation will apply**
- **Tree nodes determine the allocated amount**
- **A factor converts the years into months**

# Project Accrual

# Accrual Allocation Journal

#: AFEACC0001      Date: 01/31/2008      \*Process: Edit Journal ▼  
 Errors Only      ⏏ ⏏      Line: 10 ⏏ ⏏

Unit	Project	Dept	Account	Amount	Occ DT
10200	P407809	6C92630	180995	22,741.00	200801
10200	P406250	6C92635	180995	19,298.00	200801
10200	P407056	6C92640	180995	8,730.00	200801
10200	P387249	6C98120	180995	4,763.00	200801
10200	P387250	6C98120	180995	15,213.00	200801
10200	P387251	6C98120	180995	17,148.00	200801
10200	P387268	6C98120	180995	10,316.00	200801
10200	P387301	6C98120	180995	2,292.00	200801
10200	P387823	6C98120	180995	11,682.00	200801
10200			229208	-92,797,996.00	200801

**Target equals Project Incurred less Actual**

**The Offset is the total of the calculated amounts**

**Projects selected from the PROJ\_ACCRUE tree**



# POOL

Effective Date: 01/01/1999    Status: Active    Description: AFE Accrual for 10200

Pool Record

'Pool Record Type: Any Table    Table: PCR\_PROJ\_EFF\_VW

Time Span:     'Pool factor: 100.0000

Zero Pool Amount Option: Calculate This Pool

Pool Fields

'Field Name: Status as of Effective Date

How Specified

Selected Detail Values     Selected Tree Nodes     Range of Values

Tree Type: Detail    Set Control Value:

Tree Name:     Level Name:

Specify Values/Range of Values/Tree Nodes

Value:

**A view is used to eliminate the effective dates in the table**

**Only Active codes are selected to avoid edit errors**

# The Project Chartfield attributes

SetID: 90995      Project: P387249      Setid Maint

**Effective Date** Find | View All

\*Effective Date: 01/01/1900 31      Status: Active      Updated: 09/14/2007 11:18:57  
 Description: Gilby 2-27-40-3W5 Temp Reg 100      By: DEIMERT

Eligible for Accrual      Account: 180995 🔍      \*WIP Node: AWPNON 🔍  
 Accrual Upd 02/07/2008 by AMENDOZA      Last WIP Upd: 08/02/2007 12:50

Proj Cat: 38 🔍      \*Alliance: Normal ▼      Total Estimate: 14,350  
 \*Proj Typ: Devl ▼      Default 180 🔍      Total to Date 19,950  
 Incurred: 5,600

**Accrual attribute is used to update the PROJ\_ACCRUAL tree**

**The Amount entered as the incurred is the POOL amount**

# Accrual Report is used to confirm

Project	Total	Tree	Query	Test
B384297	32,000.00	2,400.01	2,400.01	Unequal
B384743	37,757.00	2,656.01	2,656.01	Unequal
B404169	700,000.00	595,467.35	595,467.35	Unequal
P146055	295,368.00	0.01	0.01	Unequal
P147028	7,644,350.00	7,581,676.07	7,581,676	
P147049	227,790.00	227,790.39	227,790	
P147050	90,000.00	31,430.50	31,430	
P385566	740,000.00	670,646.59	670,646	
P385567	100,000.00	61,082.41	61,082	
P386064	132,000.00	(716.39)	(716	
P386074	214,000.00	207,570.63	207,570	
P386075	100,000.00	87,068.41	87,068	
P386083	8,000.00	5,136.32	5,136	
P386123	22,000.00	18,850.80	18,850	
P386127	331,500.00	53,937.12	53,937	

- Each project is shown with
- The amount from the project table,
  - The amount from the ledger if the project is in the accrual tree
  - The amount from the ledger if the project is marked as eligible
  - The status – unequal is an error

# Comment about the allocation

- **Allocation should calculate zero when no BASIS exists, but error results. Workaround is to create a setup journal to initialize the amount**
- **A view is used to eliminate the effective dates in the project chartfield.**
- **Only Active codes are selected to prevent edit errors.**
- **An NVISION report is used to confirm the allocation**

# Unit of Production Depreciation

# Unit of Production Depreciation

**Depreciation is calculated based on the volume produced by a field**

**A field is a node on a Deptid tree.**

**There are five hundred fields with rates for each product**

**Use Adjust Budget to enter rates into a Statistics Ledger using the field's Deptid**

**Create a summary ledger using the field tree node as a Chartfield for pool and basis**

**Set the pool and basis to the Summary Ledger using the Table option**

**Use the Group By function on Field and Statistics Code**

# The Depreciation Volume Data

Account	Deptid	Stat	Posted
300120	5555500	OIL	300
300120	0550500	OIL	400
301120	5555500	GAS	600
300120	3823160	OIL	300
301120	3823160	GAS	600

Data Input to Actuals Ledger

300120	38X0500	OIL	5
300120	38X0500	GAS	9
300120	45X0100	OIL	3
300120	45X0100	GAS	7

Data input to Statistics Ledger

Account	Deptid	Treenode	Stat	Posted
300120	5555500	AB0500	OIL	300
300120	0550500	AB0500	OIL	400
301120	5555500	AB0500	GAS	600
300120	3823160	BC0100	OIL	300
301120	3823160	BC0100	GAS	600
300120	38X0500	AB0500	OIL	5
300120	38X0500	AB0500	GAS	9
300120	45X0100	BC0100	OIL	3
300120	45X0100	BC0100	GAS	7

Updated Summary Ledger

Updated Summary Ledger

# Unit of Production Volume



# The volume entry

**Different accounts are used for different kinds of depreciation (equipment, proven land\_**

**The FIELD is shown for reference**

Dept	Account	Detl	Stat	Journal Lin	
			AS	AB0074	
			GL	AB0074	
			L	AB0074	
			AS	AB0074	2,066.19
			GL	AB0074	81.89
38X0074	902001	902001			181.79
38X0074	902002	902002			2,066.19
38X0074	902002	902002			81.89
38X0074	902002	902002			181.79
38X0074	910030	910030			2,066.19

**The GL\_DETAIL code will be used in Step 2 as the GROUP BY**

**The DEPTID is assigned to hold the depreciation for the field. A Field is a group of DEPTID codes**

**The same volume for each STATISTICS\_CODE is recorded for each account**

# To make this happen

- **Summary Ledger with a Summary Chartfield is created.**
- **The depreciation accounts are initialized with the assigned DEPTID for each FIELD**
- **A Customized BASIS table is created to include the summary chartfield**

# The TARGET

Time Span:  Basis Span Opt:  Target Span Opt:

Specify Field Values Customize | Find | View All | First 1-6 of 6

Field Name	Source	Field Mapping	Value / Mask
Account	Basis		
Department	Basis		
Ledger	Value		ACTUALS
Journal Line Description	Group by	Dept Field tree node	
GL Detail	Basis	Account	
Statistics Code	Group by		

**The FIELD summary chartfield is mapped to the JRNL\_DESC because the field is 20 characters**

**The ledger is specified because the POOL came from a summary ledger**

Unit of Production  
Dollars (Volume x Rate)

# DDA GAS Rate Journal Entry

Journal ID: DDAGAS0001

aria

IP	Check	Unit	Dept	Account	Detail	Amount	Affil
	<input checked="" type="checkbox"/>	10200	38X0074	198009	900021	-46,849.08	
	<input checked="" type="checkbox"/>	10200	38X0074	200002	902001	-144,723.26	
	<input checked="" type="checkbox"/>	10200	38X0074	203001	9		
	<input checked="" type="checkbox"/>	10200	38X0074	204040	9		
	<input checked="" type="checkbox"/>	10200	38X0074	900021	9		
	<input checked="" type="checkbox"/>	10200	38X0074	902001	9		
	<input checked="" type="checkbox"/>	10200	38X0074	910030	9		
	<input checked="" type="checkbox"/>	10200	38X0074	910501	910501	4,214.86	

**The BASIS provides the rate and the accounts for the other side of the entry**

**The GL\_DETAIL field is needed because the BASIS and POOL accounts are not the same**

**The DEPTID and GL\_DETAIL from the VOLUME are matched with a Rate**

# The TARGET has special note

'Field Name:

How Specified

Selected Detail Values    Selected Tree Nodes    Range of Values

Tree Type:    Set Control Value:

Tree Name:    Level Name:

Specify Values/Range of Values/Tree Nodes [Customize](#) | [Find](#) | [View All](#)

Value   To

---

'Field Name:

How Specified

Selected Detail Values    Selected Tree Nodes    Range of Values

Tree Type:    Set Control Value:

Tree Name:    Level Name:

**Peoplebooks state If the pool value is a statistic, and the output monetary, specify the values of foreign\_currency and currency\_cd**

# Volume x Factor x Rate = Journal

1 to 4 of 4

Ledger Details						
Period	Activity	Account	Department	Detl	Stat	Total Amt
1	<a href="#">Activity</a>	900021	46X2000	900021	GAS	13,814.500
2	<a href="#">Activity</a>	900021	46X2000	900021	GAS	12,858.400
3	<a href="#">Activity</a>	900021	46X2000	900021	GAS	13,222.100
4	<a href="#">Activity</a>	900021	46X2000	900021	GAS	13,118.900

Data By Year <a href="#">Customize</a>   <a href="#">Find</a>   <a href="#">View</a>					
Del/Cal	Account	Dept	Posted Total Amount	Project	GL Detail
<input type="checkbox"/>	<a href="#">198009</a>	46X2000	11.11		900021

$$13118.9 * 94.0051 / 100 * 11.11$$

Period	Period	Account	Dept	Vendor	Occ DT	Projec
	4	900021	46X2000		200704	
Transaction Amt:		160,690.98	CAD	Base Amount:		160,690

Journals <a href="#">Customize</a>   <a href="#">Find</a>   <a href="#">View</a>						
Journal ID	Date	Seq	Stat	Amt	N/R	Amount
<a href="#">DDAGAS0001</a>	04/30/2007				N	137,013.35 CAD

# The TARGET

Time Span:   Basis Span Opt:   Target Span Opt:

Specify Field Values			
Field Name	Source	Field Mapping	Value / Mask
Account	Pool		
Currency Code	Value		CAD <input type="button" value="🔍"/>
Department	Group by		
GL Detail	Group by		
Occur DT	Value		200801 <input type="button" value="🔍"/>

**The Account from the POOL is the Expense; the OFFSET will have the account from the BASIS, accumulated depreciation**

**The GROUP BY ensure there is a one to one relationship between POOL and BASIS**



## Comment about the allocation

- **The rate allocation creates values to three decimals. Manual intervention is required**
- **Summary Ledgers and Summary trees are needed**
- **Depreciation is calculated if there is a volume. Could use the tree to be more selective**
- **Mapped to fields must be at least the same length as the originating data fields**

# Comments Continued

- **A customized Basis Work Table is needed**
- **Set up outlined in PEOPLEBOOKS for statistics and dollar amounts must be reviewed**

# Create Data Allocations

# Final Notes

- **Data can be created using arithmetic operations**
- **Using 'any table' and customizing the BASIS work tables may be necessary**
- **MAPPING requires the TO field be the same size as the from field**
- **Allocations removed the need for many manual entries at month end.**

## Other 'create data' allocations

- **Convert internal time sheets into project costs**
- **Convert vehicle distances into expenses**
- **Calculate simple overhead charges based on statistics values (number of wells, buildings, vehicles)**
- **Calculate commissions based on units sold**

# CONCLUSION

# Stage 1 Allocations

<b>Allocation</b>	<b>Description</b>
<b>Vehicle</b>	<b>Vehicle allocated vehicle account</b>
<b>Facility</b>	<b>Facilities allocated to same account</b>
<b>Fuel</b>	<b>Facility 6911310 allocated to specific account,</b>
<b>BC Gathering</b>	<b>Midstream revenue, 376078, transferred to expense, 600123</b>
<b>Mineral Tax</b>	<b>Expense 60_205 transferred to Revenue 301390</b>

# Stage 1 Allocations

Allocation	Description
<b>Financial Planning</b>	<b>Transfer Centre G30855, G30856 to Payroll Burden account</b>
<b>Jedney</b>	<b>Transfer department 4698275 based on clearing percentage</b>
<b>AFE Transfer</b>	<b>Transfer costs for identified projects from one department to another department code</b>



# Stage 2 Allocations

<b>Allocation</b>	<b>Description</b>
<b>AFE Accrual</b>	<b>Calculates the amount project accrual</b>
<b>Work in Progress</b>	<b>Transfer costs from Work in Progress to Capital or Expense</b>
<b>Lease Amortization</b>	<b>Calculate straight line depreciation on the unproved land</b>
<b>Volume setup</b>	<b>Set up the volume in the depreciation accounts</b>
<b>Unit of Production</b>	<b>Calculate depreciation based on volume</b>

# Stage 2 Allocations

<b>Allocation</b>	<b>Description</b>
<b>Admin Cost Transfer</b>	<b>Calculate the unit of production depreciation based on volume</b>
<b>East Coast</b>	<b>Transfer costs of DE5020 per clearing percentages</b>
<b>IT Allocation</b>	<b>Transfers costs of IT projects to business cost centres</b>
<b>North of 60</b>	<b>Transfers costs from DE7291 based on clearing percentage</b>
<b>Exploration</b>	<b>Transfer Administrative Expenses to Exploration Expense</b>

We have used allocations creatively to solve business problems

- **Using a second Chartfield to reduce the number of steps (the Flip)**
- **Using the Fixed Basis to combine or transfer Accounts (the Squish)**
- **Using the pro rate feature to allocate on a percentage basis (Joint Interest Partners)**
- **Using statistical values in the pool and rates in the basis to calculate costs**

# Effective Allocations

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