PacifiCorp Tagging Workshop

PacifiCorp

Let's turn the answers on.

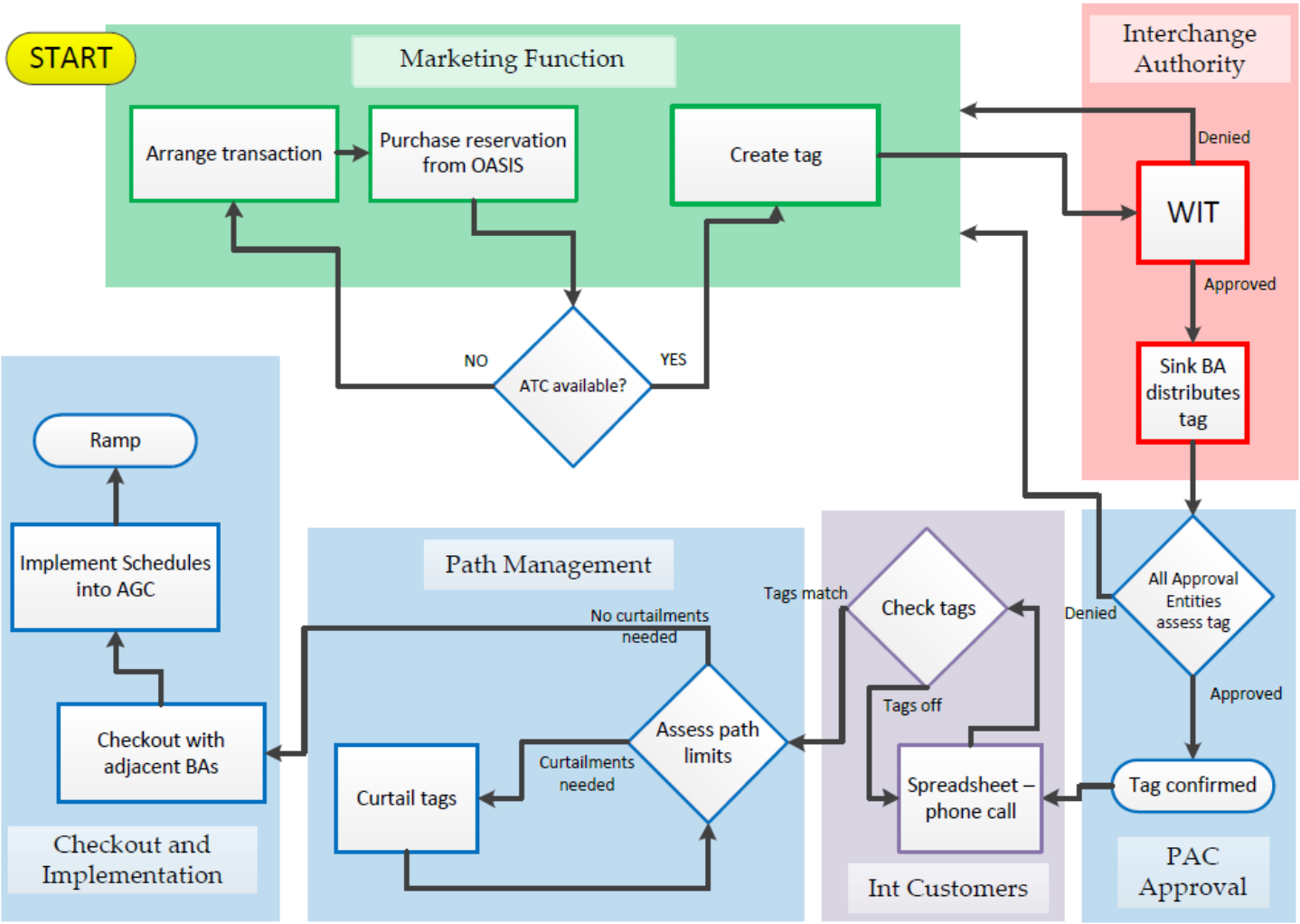
Tagging Workshop Agenda

Topic	Facilitator	Time
Introductions	Cory Scott	1:00 – 1:15
Purpose of the Workshop	Cory Scott	1:15 – 1:25
Life Cycle of a Tag	Kathee Downey	1:25 – 1:50
Capacity Tags	Kathee Downey	1:50 – 2:10
BREAK		2:10 – 2:25
Review of Business Practices	Brian McClelland / Kathee Downey / Shay LaBray	2:25 – 2:40
Network Non Firm Service	Brian McClelland	2:40 – 2:55
Working Together to Identify Solutions	Katy Lesser / OPEN DISCUSSION	2:55 – 3:40
Contacts	Cory Scott	3:40 – 3:45
Next Steps	Rachel Matheson	3:45 – 4:00

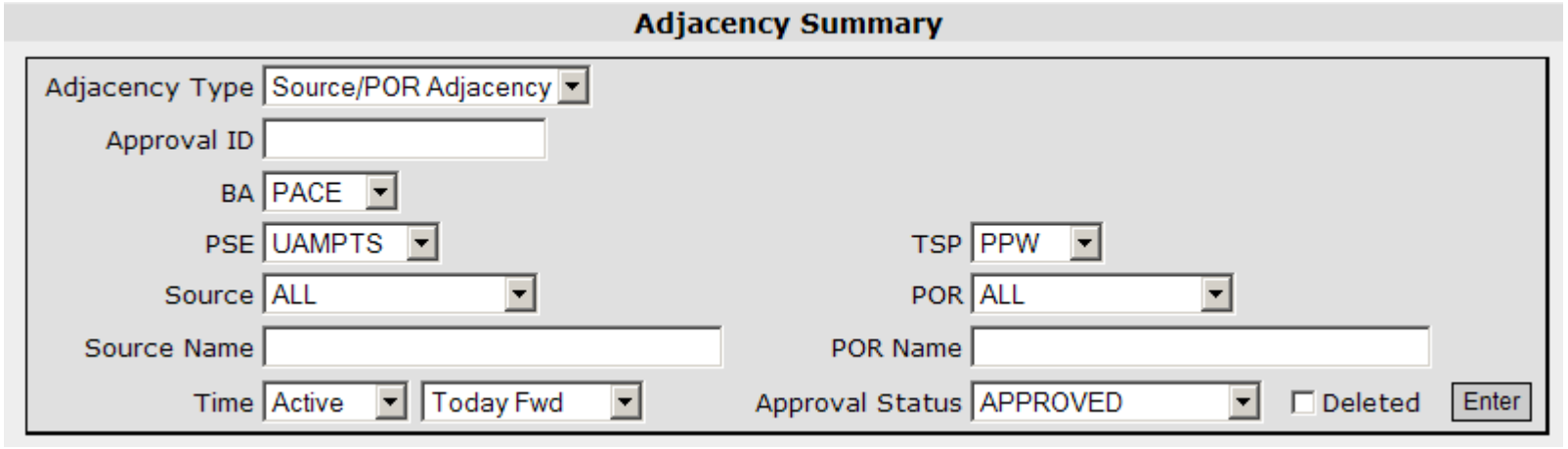
Introductions and Purpose

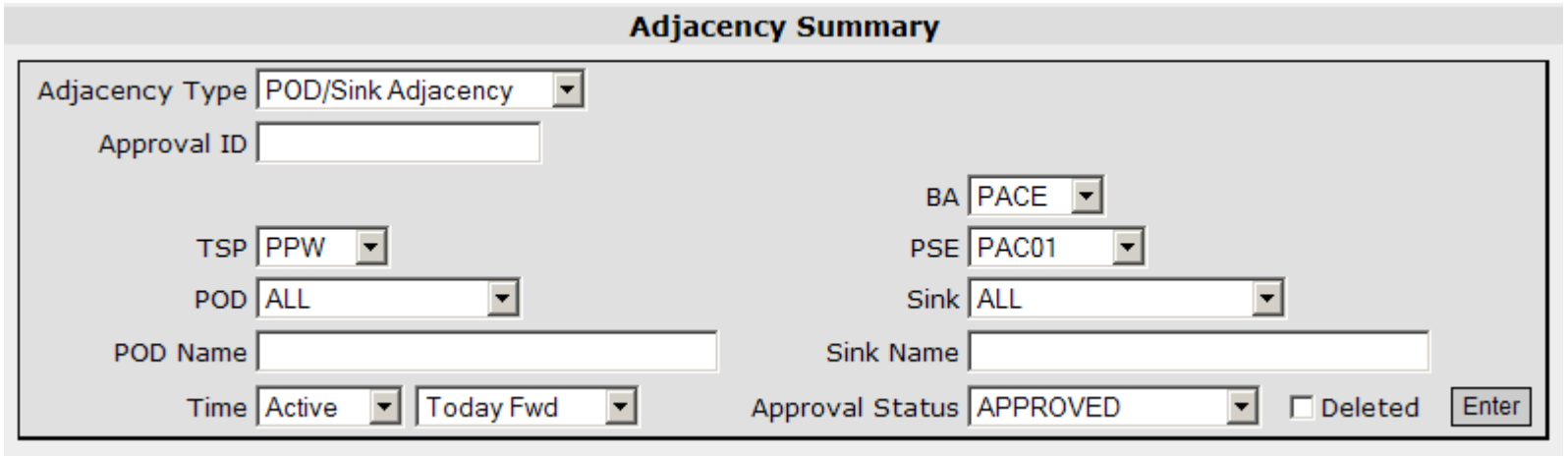
- Purpose
  - Provide information on current tagging practices
  - Ensure common understanding of tagging practices
  - Identify and discuss existing issues
  - Brainstorm and develop potential solutions

B&I and Tagging Process

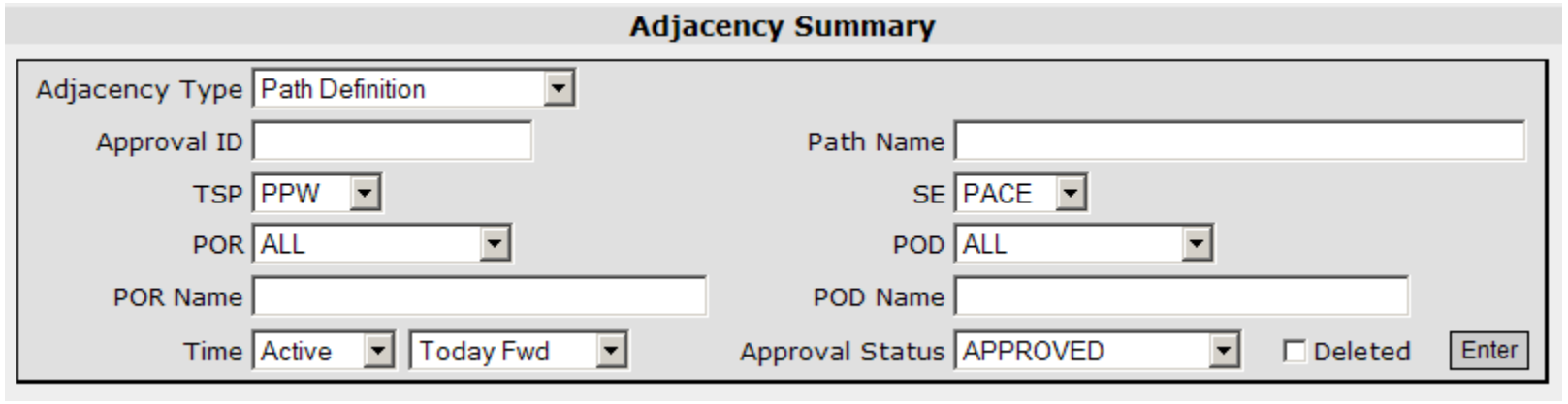


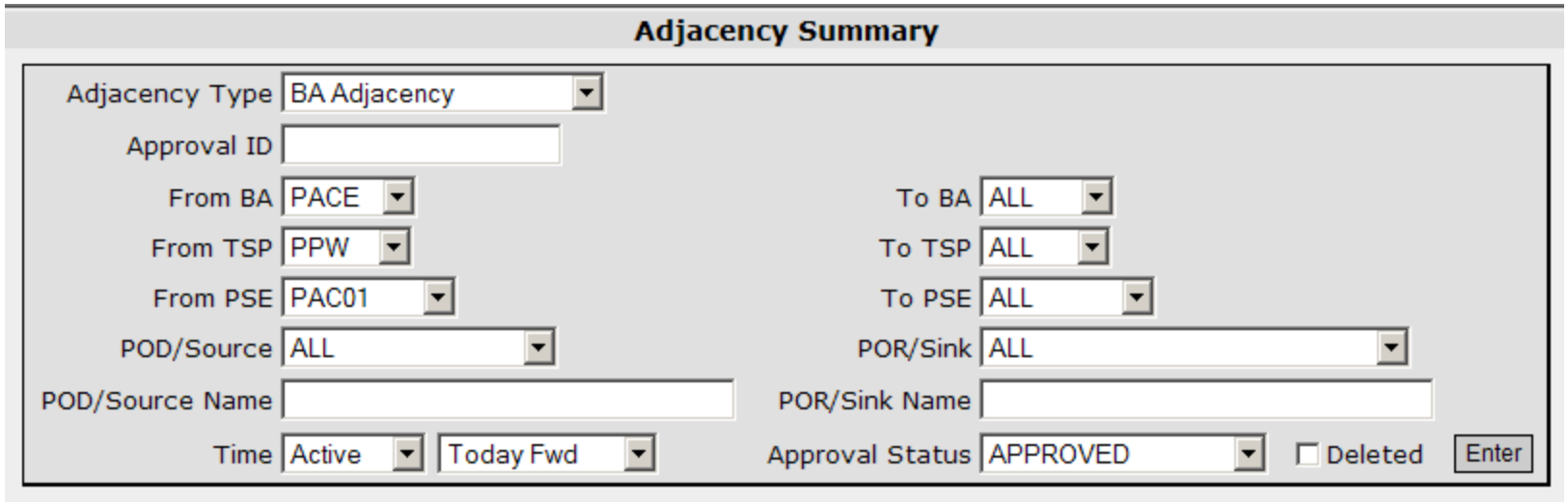
WIT Registry





WIT Registry (cont.)





Capacity Tags

- Use of Capacity Tags to communicate Reserves
  - WECC **INT-009-WECC-CRT-1** (Capacity Tag Functionality) approved 3/6/08
    - Purpose: To define the functionality of a Transaction Type Capacity tag, utilize e-tags as a placeholder for reserve transactions, improve efficiencies in the current e-tagging environment, and increase usage of e-tags as the primary method of notification. A capacity e-tag under this business practice is intended for use with On-Demand Spinning and Non-spinning Obligation/Resources products only.

Capacity Tags (cont.)

WECC **INT-009-WECC-CRT-1 Requirements**

- WR1 – Transaction Type set to Capacity
  - Only used for On-Demand spinning and non-spinning obligations/resources
  - Capacity value defined by the difference between the Energy Profile and the lower of the Transmission Allocation Profile and Reliability Profile.
- WR2 – Market Level set to any value between -0- and Transmission Allocation Profile.
- WR3 – Transmission Allocation Profile shall be maximum amount of energy that can be delivered on that transaction
- WR4 – GPE responsible for identifying Energy Product Code.
- WR5 – Activation of reserves accomplished through an adjustment.
- WR6 – Default ramp duration of zero.

Capacity Tags (cont.)

PacifiCorp Business Practice #34 – Self Supply

- Must be scheduled using a capacity e-Tag consistent with PacifiCorp Business Practice #39.
- Must be deployed by the customer through a mid-hour tag adjustment to the energy profile.
- PacifiCorp Grid Operations will confirm third party reserves are being held via e-Tag.
- Phone call to the third party when reserves are needed and provide the following statement:
  - "We have experienced a generation loss in the PAC East balancing authority and request you to deploy your self-supplied reserves for the remainder of the hour. We show you have e-Tag(s) of ___mw. Please adjust the energy profile on these e-Tags immediately."

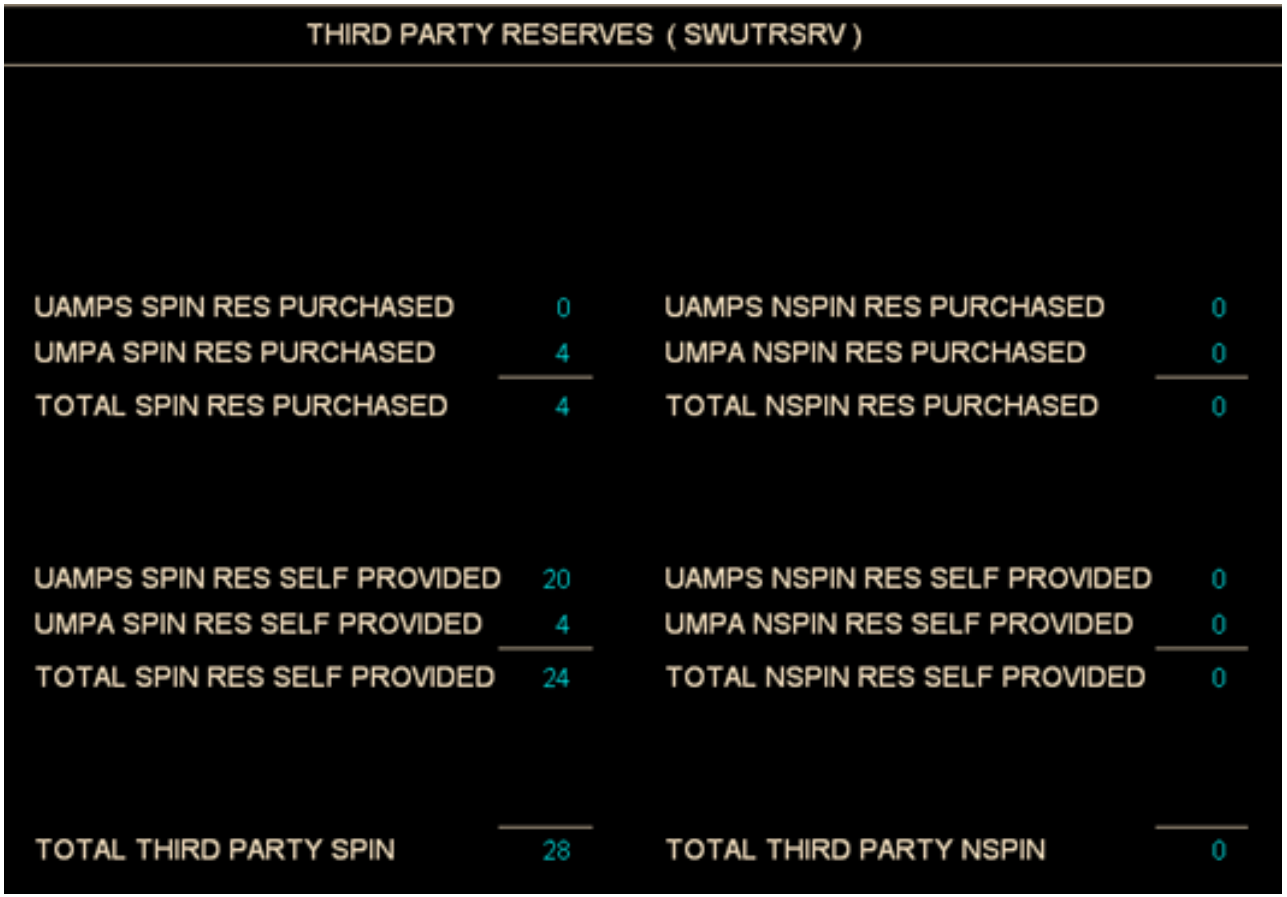
Capacity Tags (cont.)

PacifiCorp Business Practice #39 – Tagging Reserves

- Specifically outlines Use of Capacity e-Tags
- Defines a level of transmission capacity set aside for the use of operating or regulating reserve transfers, mid-hour, when required.
- ATC in the opposite direction to an established and tagged Capacity e-Tag will not be incremented for firm and NF use for the duration of the e-Tag.
- Must identify specific type in comment field
  - RES-SPIN-PUR = Purchased Spinning Reserves
  - RES-SPIN-SP = Self-Provided Spinning Reserves
  - RES-NS-PUR = Purchased Non-Spinning Reserves
  - RES-NS-SP = Self-Provided Non-Spinning Reserves

Capacity Tags (cont.)

Real Time view in EMS showing Transmission Profile:

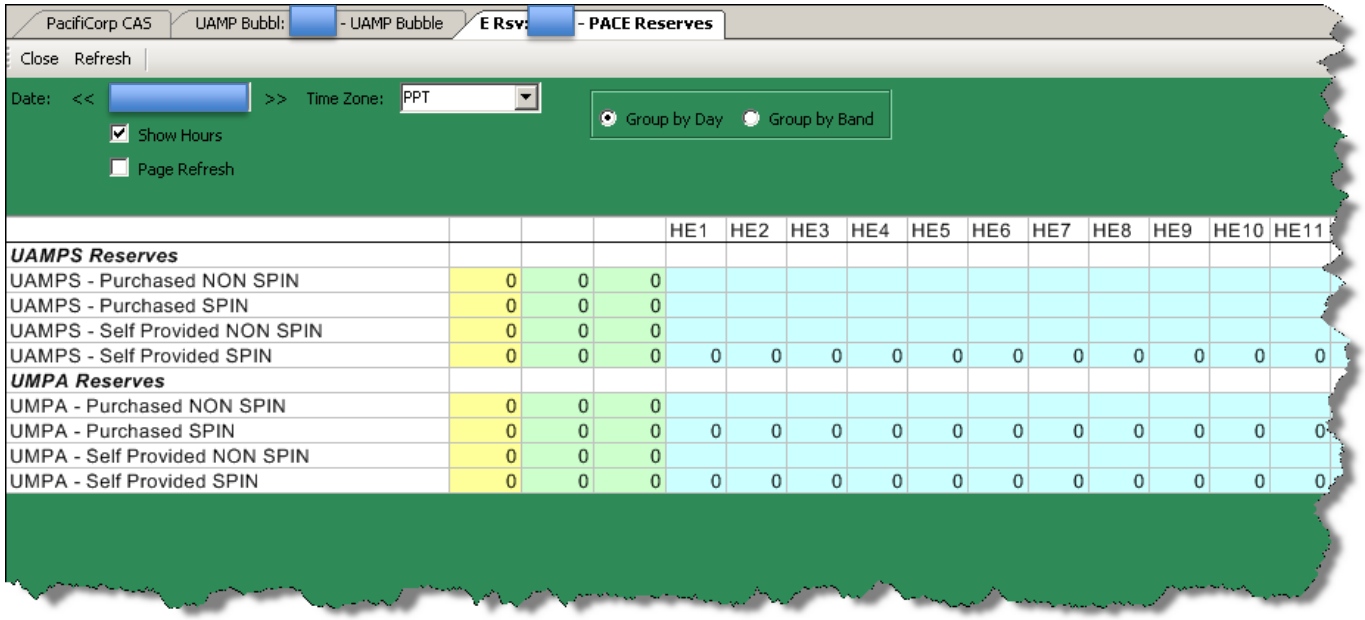


THIRD PARTY RESERVES (SWUTRSRV)

UAMPS SPIN RES PURCHASED	0	UAMPS NSPIN RES PURCHASED	0
UMPA SPIN RES PURCHASED	4	UMPA NSPIN RES PURCHASED	0
TOTAL SPIN RES PURCHASED	4	TOTAL NSPIN RES PURCHASED	0
UAMPS SPIN RES SELF PROVIDED	20	UAMPS NSPIN RES SELF PROVIDED	0
UMPA SPIN RES SELF PROVIDED	4	UMPA NSPIN RES SELF PROVIDED	0
TOTAL SPIN RES SELF PROVIDED	24	TOTAL NSPIN RES SELF PROVIDED	0
TOTAL THIRD PARTY SPIN	28	TOTAL THIRD PARTY NSPIN	0

Capacity Tags (cont.)

Real Time view showing Energy Profile:



				HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11
UAMPS Reserves														
UAMPS - Purchased NON SPIN	0	0	0											
UAMPS - Purchased SPIN	0	0	0											
UAMPS - Self Provided NON SPIN	0	0	0											
UAMPS - Self Provided SPIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UMPA Reserves														
UMPA - Purchased NON SPIN	0	0	0											
UMPA - Purchased SPIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UMPA - Self Provided NON SPIN	0	0	0											
UMPA - Self Provided SPIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Business Practices

- Business Practice Drivers
- Overview
- Development and Revision Process
- Review of select Business Practices

Business Practice Drivers

- Regulatory requirements
- Clarifications of the OATT
- Customer focus
- Standard, consistent approach to issues

Overview Business Practices

- Part 1 – Common Service Provisions (14 BPs)
- Part II & Part III – Transmission Service (PTP and/or Network) (29 BPs)
- Part IV & V – Generation Interconnection (Large and/or Small) (7 Bps)
- Business Practices section on OASIS
- Revision Tracker

PacifiCorp OASIS Business Practices
Revision Tracking Spreadsheet

	Revised in last 60 days	Last Updated:	5/23/2011								
Business Practice #	Title	Days From Today Since Last Revision	Revision No.	Revision Posted	Effective Date of Current Version	OATT Part Addressed I	II	III	IV	V	OATT Category
OATT PART I - Common Service Provisions											
2	Observance of WECC Regional Criteria	92	2.0	2/21/2011	2/21/2011	X					Part I - Common Service Provisions
4	Documenting Acts of Discretion (REMOVED)	n/a	n/a	n/a	n/a						Part I - Common Service Provisions
5	Real-Time Processing of Late Electronic Tags ("E-Tags")	140	5.0	1/3/2011	1/3/2011	X					Part I - Common Service Provisions

- Email comments: businesspractices@pacificorp.com

Development & Revision Process

New BP 'DRAFT' posted on OASIS "Open for Public Comment" section for 30 calendar days (& notice in OASIS pop-up window)

PacifiCorp response posted on OASIS "Response to Public Comment" section

New BP issued as 'Revision 0.0' (effective 45 calendar days after posting & following comment period)

Revisions to existing BP posted on OASIS "Open for Public Comment" section for 10 business days (& notice in OASIS pop-up window)

If comments result in BP modification, additional 5 business day comment period to consider additional revisions

Revised BP issued & effective

Review of Business Practices

- BP 56: Use of 200 series AREFS

Scheduling Identifier	POR	POD	Notes
201	Cholla500	Cholla500	
202	CaptainJack	JohnDay	
203	COBH	JohnDay	
204	Colstrip	Colstrip	
205	HermistonGen	HermistonGen	
206	JBSN	JBSN	
207	JEFF	JEFF	
208	JohnDay	CaptainJack	
209	JohnDay	COBH	
210	JohnDay	MALIN500	
211	MALIN500	JohnDay	
212	MIDC	MIDCRemote	
213	MIDC	MIDC	
214	MIDCRemote	MIDC	
215	UINTA	UINTA	
216	YTP	YTP	WACM to NWMT
217	YTP	YTP	NWMT to WACM
218	WYODAK	WYODAK	

Review of Business Practices

- BP 48: Intra-hour scheduling
- Other key business practices and policies

Business Practice Review(cont.)

PacifiCorp Business Practice #48 – Intra-Hour

- Specifically outlines ability to submit schedule changes within the operating hour to better accommodate changes in loads and resources
- Will be denied if approving will create a reliability adjustment.
- New validations have been built to automate this process
- Currently expected to be live August 1st, pending testing results.

Network Non Firm Service

- OASIS product that any customer can use
- NT NF reservations should be used to serve load when load exceeds owned reservations
- NERC Priority 6, used in place of, or in addition to Network Secondary Service

Open Discussion: Tagging

- There are a number of issues various parties have raised that may be alleviated with enhanced use of Tagging. Are there other alternatives to address:
  - Generation rights at joint-owned facilities
  - Can we simplify tagging for internal balancing area schedules?
  - Simplifying the process and improving the communication for all activities
  - Any other items?

Next Steps

- Communicate minutes and action items (Rachel Matheson)
- Set up future, similar workshops