

**RTO West**  
**JOINT CM and AS WORK GROUP MEETING**  
 On June 26, 2000  
 (AS/CM J-WG01)

RTO West at 5933 NE Win Sivers Dr.  
 Portland and Telephone Conference Call  
 9:30 – 6:00 pm

**Work Group Meeting Summary**  
**Version 1 – June 26, 2000**

**Attendees (41 attendees, 3 by telephone):**

<b>F-NAME</b>	<b>L-NAME</b>	<b>ORGANIZATION</b>	<b>PHONE</b>	<b>EMAIL</b>
John	Anasis	BPA-TLB	360-418-2263	jganasis@bpa.gov
Don	Badley	NWPP	503-464-2805	don.badley@nwpp.org
Ray	Brush	Montana Power	406-497-4278	rbrush@mtpower.com
Eric	Carter	BPA-TBL	503-230-4201	ehcarter@bpa.gov
Warren	Clark	Avista Corp	509-495-4186	wclark@avistacorp.com
Kurt	Conger	EXS Inc. for Seattle City	425-497-1133	kconger@nrgxs.com
Kieran	Connolly	BPA-PBL	503-230-4680	kpconnolly@bpa.gov
Robin	Cross	Snohomish PUD	425-783-8481	rhcross@snopud.com
Steve	Daniel	GDS Associates for	770-425-8100	steved@gdsassoc.com
Angela	DeClerck	BPA-PBL	503-230-3886	ardeclerck@bpa.gov
Chuck	Durick	Idaho Power Company	208-388-2450	cdurick@idahopower.com
Tom	Foley	Renewable NW Project	503-288-0973	tjfoley@teleport.com
Wally	Gibson	Northwest Power	503-222-5161	wgibson@nwppc.org
Kurt	Granat	PAC Transmission	503-813-5744	kurt.granat@pacificorp.com
David	Hackett	KEMA Consulting	503-258-9000	dhackett@kemaconsulting.com
Bob	Harshbarger	Puget Sound Energy	425-882-4466	bharsh@puget.com
Denise	Hill	Trans Alta	503-675-3816	denise_hill@transalta.com
Steve	Huhman	Southern Energy	925-287-3120	steve.huhman@southernenerg
Carl	Imparato	Power Marketers	510-558-1456	cfi1@tca-us.com
Don	Long	Grant County PUD	509-754-5055	dlong@gcpud.org
Brad	Marcy	Sierra Pacific Power	775-834-3018	bmarcy@sppc.com
Dennis	Metcalfe	BPA-TBL	360-418-8679	demetcalfe@bpa.gov
Jerry	Miller	PacifiCorp	503-251-5158	
Arne	Olson	WA DCTED	360-956-2022	arneo@ep.cted.wa.gov
Ren	Orans	Energy & Environmental	415-391-5100	ren@ethree.com
Dave	Perrino	Automated Power	408-517-2146	dperrino@apx.com
Deanna	Phillips	BPA/PBL	503-230-5164	dmphillips@bpa.gov
Dennis	Phillips	BPA-PBL	503-230-5062	dwphillips@bpa.gov
Ian	Plumbley	West Coast Power	604-488-8155	iplumbley@wei.org
Chris	Reese	Puget Sound Energy	465-462-3055	creese@puget.com
Jerry	Rust	ESCA Corporation	503-626-3932	lorusty4@msn.com
Larry	Shiao	WAPA-Loveland	970-461-7239	shiao@wapa.gov
Brian	Silverstein	BPA-TBL	360-418-8678	blsilverstein@bpa.gov

Mike	Sinowitz	Seattle City Light	206-684-3352	Mike.Sinowitz@ci.seattle.wa.us
Rob	Sirvaitis	Power Resource	360-693-8484	rsirvaitis@prmlp.com
Barney	Speckman	KEMA Consulting	503-258-0475	bmspeckman@aol.com
Gary	Stemler	BPA-T	360-418-2669	gestemler@bpa.gov
Rick	Vermeers	Avista Corp.	509-495-8057	rvermeers@avistacorp.com
Steve	Walton	Enron	713-345-7793	steve.walton@enron.com
Linc	Wolverton	Industrial Customers of	360-263-3675	lwolv@worldaccessnet.com

**Calendar:**

<del>June 26-27</del>	<del>June 26 – Joint CM /AS WGs Meeting Complete</del>	<del>RTO West Facility</del>
July 11, 1 pm	Joint AS/CM WG Meeting #2	RTO West Facility

Note: Assignments below include new, open, in-progress and closed (closed last meeting but report in these minutes). Assignments closed prior to last meeting and previously reported in the minutes have been deleted.

<b>Assignments (Includes Action Items) from June 26 Work Group Meeting:</b>	<b>Status</b>
1. Joint AS/CM team to define the draft specification for a Scheduling Coordinator (SC) for review the week of July 10.	New
2. C. Imparato to update the two-page summary of a SC to incorporate the concepts discussed in the meeting.	New
3. Ren Oren and Warren Clark to provide data to Brian Silverstein describing their respective control area models	New
4. Brian Silverstein to distribute matrix after receiving data in item 3	New

**Summary of Consensus (Decisions Made):**

1. A Scheduling Coordinator (SC) function concept to be developed for RTO-West

**Highlights of Meeting by Agenda Topic**

**Agenda topic 1 - Introduction / Finalize Agenda**

The agenda was accepted as drafted.

**Agenda topic 2 – Scheduling Coordinator (SC)**

Carl Imparato presented the Scheduling Coordinator (SC) Responsibilities using two documents (sent by email to both the AS and CM workgroups). First document, a two-page summary that is incorporated at the end of this document, was discussed in detail. SC function is used in CAISO, NWISA and DSTAR.

Any entity can be a SC as long as they meet a set of requirements established by the RTO. The second document was distributed to both WG’s via email, titled “An Overview of RTO

Transmission Access and the Roles of Scheduling Coordinators” and it provides an overview of the DSTAR SC function.

A consensus was reached to incorporate the Scheduling Coordinator (SC) function into RTO West subject to adequately defining the role and responsibilities. A joint WG team was defined {see assignment 1} to develop a draft SC function for RTO West by July 10 using DSTAR appendix J as a starting point. Steve Walton volunteered to be the leader and the team consists of:

John	Anasis	BPA-TLB	360-418-2263	<a href="mailto:jganesis@bpa.gov">jganesis@bpa.gov</a>
Ray	Brush	Montana Power	406-497-4278	<a href="mailto:rbrush@mtpower.com">rbrush@mtpower.com</a>
Kurt	Conger	EXS Inc. for Seattle	425-497-1133	<a href="mailto:kconger@nrgxs.com">kconger@nrgxs.com</a>
Angela	DeClerck	BPA-PBL	503-230-3886	<a href="mailto:ardeclerck@bpa.gov">ardeclerck@bpa.gov</a>
Kieran	Connolly	BPA-PBL	503-230-4680	<a href="mailto:kpconnolly@bpa.gov">kpconnolly@bpa.gov</a>
Don	Long	Grant County PUD	509-754-5055	<a href="mailto:dlong@gcpud.org">dlong@gcpud.org</a>
Dave	Perrino	APX	408-517-2146	<a href="mailto:dperrino@apx.com">dperrino@apx.com</a>
Rick	Vermeers	Avista Corp.	509-495-8057	<a href="mailto:rvermeers@avistacorp.com">rvermeers@avistacorp.com</a>
Steve	Walton	Enron	713-345-7793	<a href="mailto:steve.walton@enron.com">steve.walton@enron.com</a>

As a high level SC document, C. Imparato agreed to update the two-page summary incorporating discussion from this meeting. {See assignment 2}

### **Agenda topic 3** – Real-Time Balancing Function

The document Balancing Energy: Excerpts from Desert Star and Mountain West was discussed and the following policy related issues were identified as requiring consideration and were assigned to the Ancillary Services Work Group as lead:

- How are the A/S products used by the RTO and under what circumstances (i.e. use reserves only for forced outages or also for load following under normal conditions)?
- Should there be penalties and who should they apply to and how are they calculated?
- If penalties are used should there be after the fact imbalance trading?
- What objective function should be used in utilizing A/S products to balance the market (optimization vs. minimum shift)?

The concept of self-tracking was discussed and it was agreed that it needed to be better defined to understand the implications of this function.

### **Agenda topic 4** – Discuss A/S

Questions to be answered – Barney Speckman agreed to update the earlier draft to reflect the additional items added under the previous agenda topic (3 above).

End State – Arne Olson discussed the end state developed at the previous A/S meeting (summarized below). Deanna Phillips distributed a graphical representation of the end state (copy attached).

End State  
RTO Wide Markets  
RTO Wide Deployment

## RTO Wide Settlements

### Efficient Product and Process Design (no seams or unnecessary bundling)

While control areas were not discussed at the first meeting it was agreed that the end state implied a single control area.

Market Structure Matrix – Brian Silverstein reviewed the matrix containing questions intended to help describe/compare the four A/S market structure models (copy attached).

Multiple Control Area Based Model – Carl Imparato discussed the extensive data in the matrix Brian developed which describes this model.

Control Area Based Model-It was agreed to analyze separate BC Hydro and Avista models. It was agreed after a brief discussion of these models that Ren Orens would complete the matrix for the BC Hydro model and that Warren Clark would do the same for the Avista model by 6/30 and that a completed matrix would be distributed by Brian within a day of receiving the BC and Avista data.

Implementation Models – Was deferred to the next meeting due to time constraints.

### **Agenda topic 5** – Review Schedule For Issue Resolution

Was deferred to next meeting due to time constraints.

### **Agenda topic 6** – Future CM and A/S Coordination

Agenda topic was not addressed due to time.

The work group meeting ended at 6:25 pm.

### **Next Meeting:**

- Next meeting: July 11, 2000 starting at 1 pm at Kingstad Center in Portland OR. Call in number is 303-633-0612 (10 lines).

Minutes prepared by: B. M. Speckman and D. F. Hackett

## Handouts

Scheduling Coordinator Responsibility

Control Area Matrix

Control Area Model

RTO West Control Area Alternatives