



Transmission Services

Resales Option 1 Illustrated

Meeting material for July 16, 2014
NAESB OS Workshop

Posted July 15, 2014

Application of Option 1

Normal Reservations with No Redirects or Resales

Original Conditional Reservation

	Day 1		Day 2		Day 3	
	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
Conditionality Date/Time	100 MW	100 MW	100 MW	100 MW	100 MW	100 MW

Original Unconditional Reservation

	Day 1		Day 2		Day 3	
	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
Conditionality Date/Time	0 MW	100 MW	0 MW	100 MW	0 MW	100 MW

Partial Resale of a Conditional Reservation

Original Conditional Reservation

	Day 1		Day 2		Day 3	
	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
Conditionality Date/Time	100 MW	100 MW	100 MW	100 MW	100 MW	50 MW

Resale of 50 MW

On a Resale, the Conditionality Date/Time comes from the Parent.

	Day 3	
	Preemptable Capacity	Scheduling Capacity
Conditionality Date/Time	0 MW	50 MW

Partial Redirect of a Conditional Reservation

Original Conditional Reservation

	Day 1		Day 2		Day 3	
	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
Conditionality Date/Time	50 MW	50 MW	100 MW	100 MW	100 MW	50 MW

Redirect of 50 MW

	Day 1	
	Preemptable Capacity	Scheduling Capacity
Conditionality Date/Time independent from parent	50 MW	50 MW

On a Redirect, its Conditionality Date/Time will be determined by its own product type (D, W, M) and start date.

Partial Redirect of a Resale of a Conditional Reservation

Original Conditional Reservation

	Day 1		Day 2		Day 3	
	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
	50 MW	50 MW	100 MW	100 MW	75 MW	50 MW

Resale of 50 MW

Day 3	
Preemptable Capacity	Scheduling Capacity
0 MW	25 MW

Redirect of 25 MW

Day 3



Preemptable Capacity	Scheduling Capacity
25 MW	25 MW

Preemption of an Original with Resales and Redirects

Original Conditional Reservation

Day 1		Day 2		Day 3	
Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
		100 MW	100 MW	75 MW	50 MW
50 MW	50 MW				

Resale of 50 MW

Day 3	
Preemptable Capacity	Scheduling Capacity
0 MW	
	25 MW

Resulting Reservations

Original Conditional Reservation

Day 1		Day 2		Day 3	
Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity	Preemptable Capacity	Scheduling Capacity
0 MW	0 MW			0 MW	0 MW
		25 MW	25 MW		

Resale of 50 MW

Day 3	
Preemptable Capacity	Scheduling Capacity
0 MW	0 MW

Redirect of 50 MW

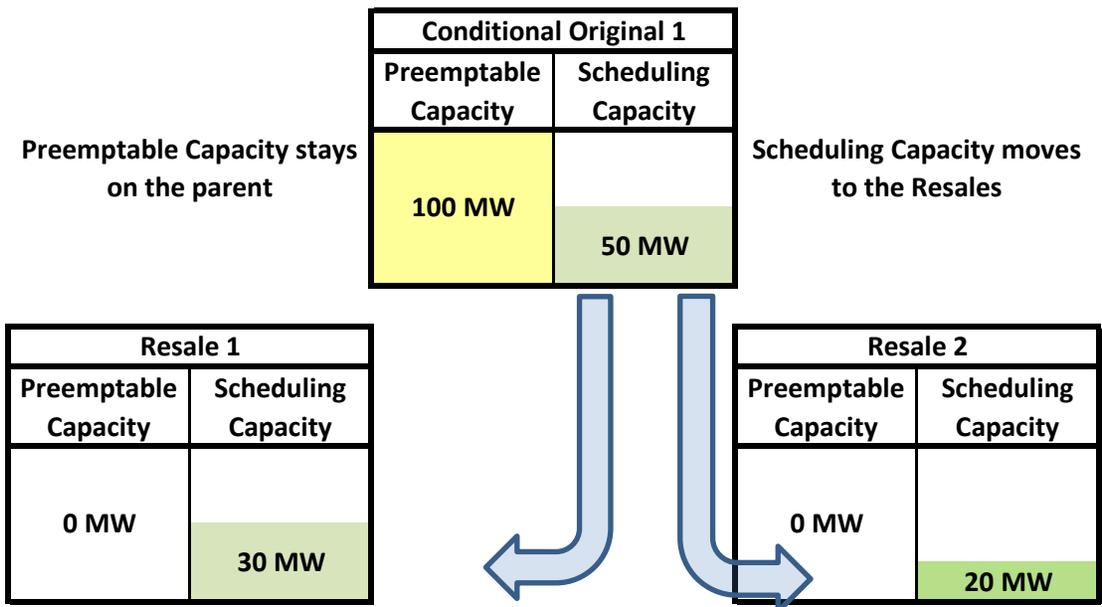
Day 1	
Preemptable Capacity	Scheduling Capacity
50 MW	50 MW

Day 3	
Preemptable Capacity	Scheduling Capacity
25 MW	25 MW

Daisy Chain of a Conditional Reservation

Conditional Original 1	
Preemptable Capacity	Scheduling Capacity
100 MW	100 MW

Two Resales, one for 30 MW and one for 20 MW



Redirect Resale 2, Resell 10 MW from Resale 1

Conditional Original 1

Preemptable Capacity	Scheduling Capacity
80 MW	50 MW

Resale 1	
Preemptable Capacity	Scheduling Capacity
0 MW	20 MW

Resale 2	
Preemptable Capacity	Scheduling Capacity
0 MW	0 MW

Resale 3	
Preemptable Capacity	Scheduling Capacity
0 MW	10 MW

Redirect 2	
Preemptable Capacity	Scheduling Capacity
20 MW	20 MW

Scheduling Rights come from the Resale. There is no Preemptable Capacity on a Resale.

Scheduling Rights come from the Resale, Preemptable Capacity comes from the original.

Original Parent gets Preempted for 75 MW

Conditional Original 1	
Preemptable Capacity	Scheduling Capacity
80 MW	50 MW

Resale has zero scheduling rights left to return.

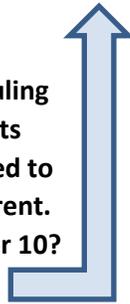
Resale 1	
Preemptable Capacity	Scheduling Capacity
0 MW	20 MW

Scheduling Rights returned to the parent

Resale 2	
Preemptable Capacity	Scheduling Capacity
0 MW	0 MW

Resale 3	
Preemptable Capacity	Scheduling Capacity
0 MW	10 MW

Scheduling Rights returned to the parent.
5 MW or 10?



Redirect 2	
Preemptable Capacity	Scheduling Capacity
25 MW	20 MW

Redirect no longer involved

Aggregation of Unconditional Reservations

Original 1	
Preemptable Capacity	Scheduling Capacity
0 MW	100 MW

Aggregates are Resales and therefore have no Preemptable Capacity, but do have Scheduling Capacity.

Original 2	
Preemptable Capacity	Scheduling Capacity
0 MW	100 MW

Both Resell 50 MW

Original 1	
Preemptable Capacity	Scheduling Capacity
0 MW	50 MW



Original 2	
Preemptable Capacity	Scheduling Capacity
0 MW	50 MW

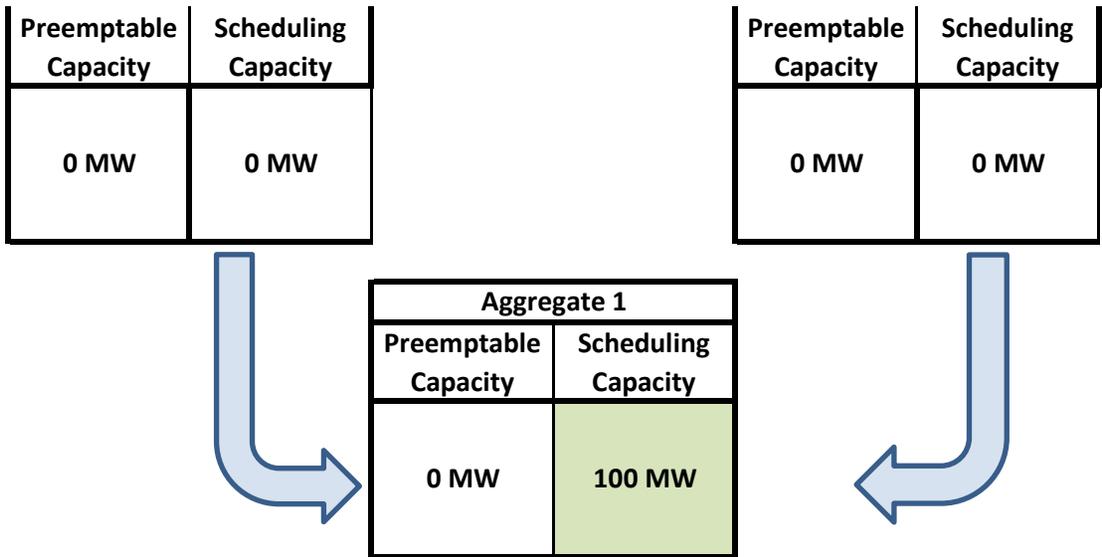
Resale 1	
Preemptable Capacity	Scheduling Capacity
0 MW	50 MW

Resale 2	
Preemptable Capacity	Scheduling Capacity
0 MW	50 MW

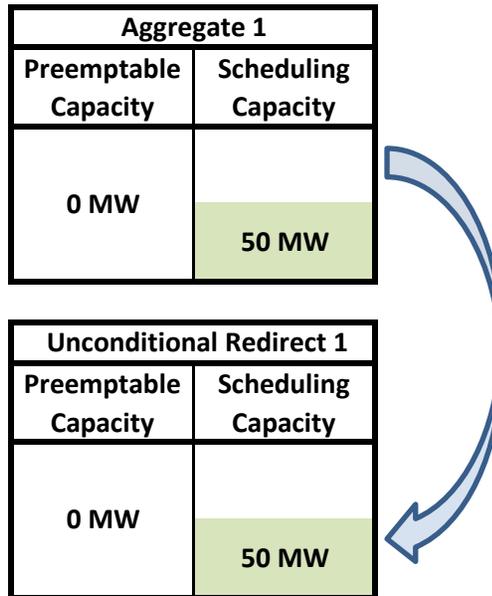
Aggregate the two Resales

Resale 1

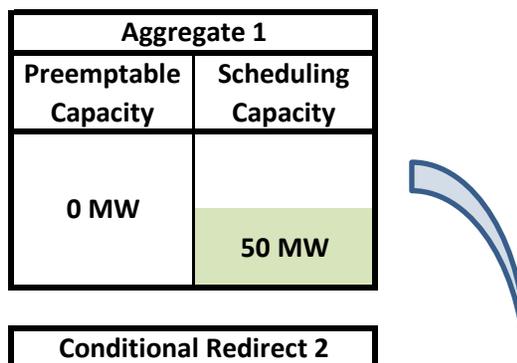
Resale 2



Unconditional Redirect 50 MW of the Aggregated Resale



Conditional Redirect 50 MW of the Unconditional Aggregated Resa



Preemptable Capacity	Scheduling Capacity
50 MW	50 MW

Resale 25 MW the Remaining Unconditional Aggregated Resale

Aggregate 1	
Preemptable Capacity	Scheduling Capacity
0 MW	25 MW

Resale 3	
Preemptable Capacity	Scheduling Capacity
0 MW	25 MW

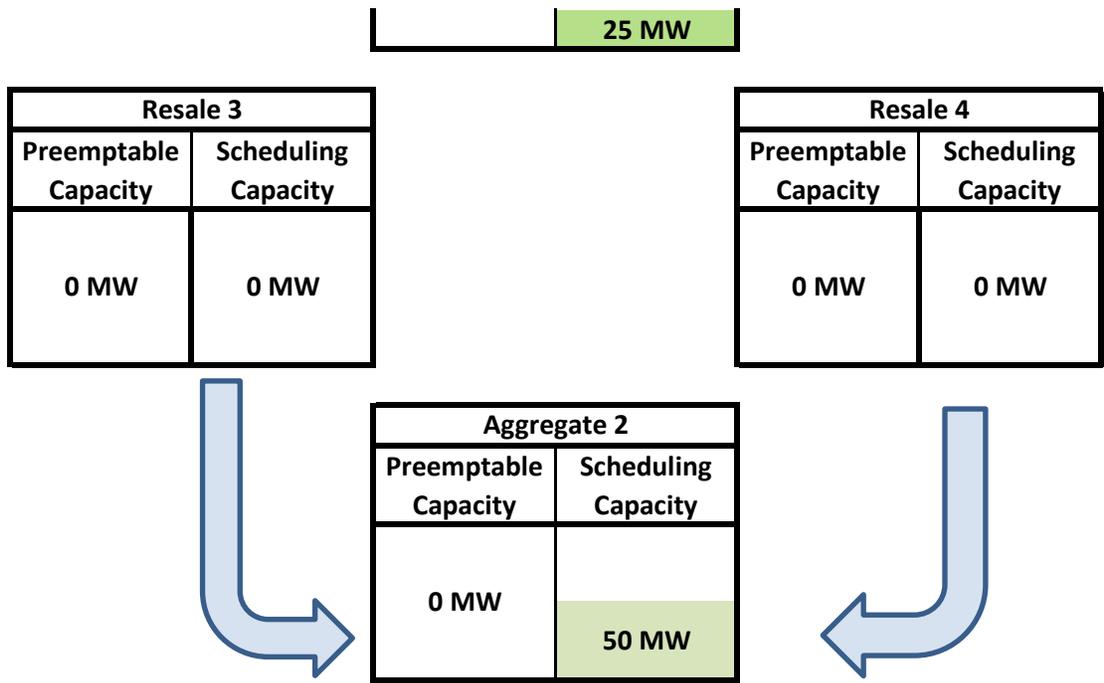
Aggregate the Resale with Another Resale

Resale 3	
Preemptable Capacity	Scheduling Capacity
0 MW	25 MW

Resale 4	
Preemptable Capacity	Scheduling Capacity
0 MW	25 MW

Resulting Transactions

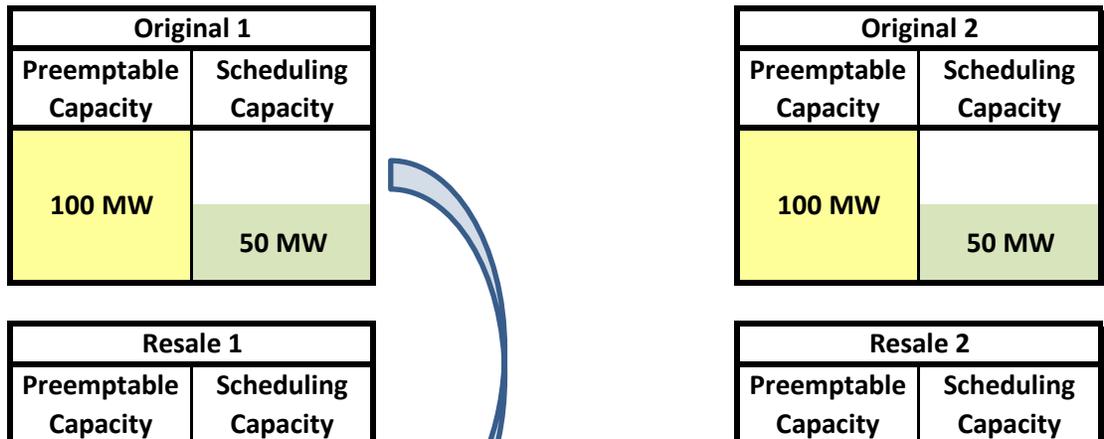
Aggregate 1	
Preemptable Capacity	Scheduling Capacity
0 MW	



Aggregation of Conditional Reservations

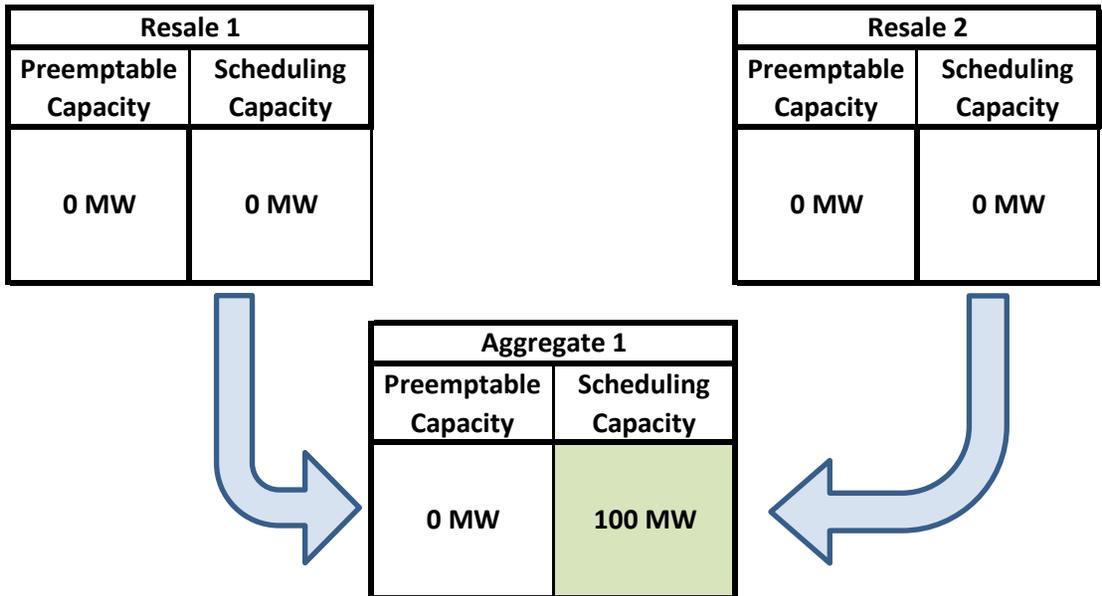


Both Resell 50 MW

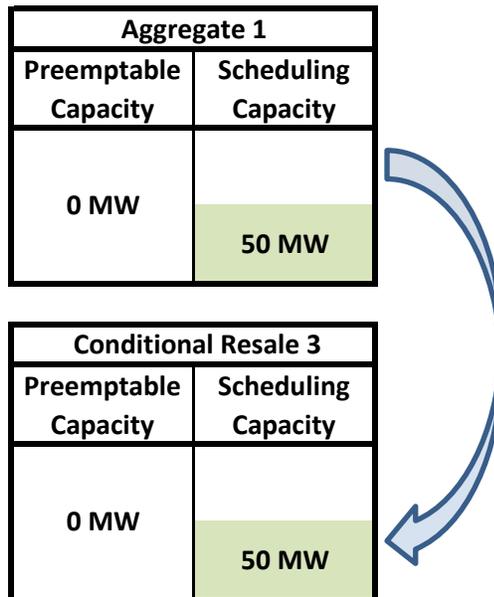




Aggregate the two Resales



Resell 50 MW of the Aggregated Resale



Redirect the 50 MW of the Conditional Resale



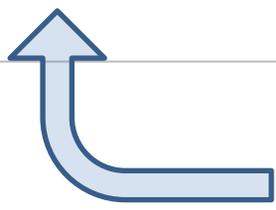
Which Parent(s) Gets Reduced

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Preemptable Capacity	Scheduling Capacity
0 MW	50 MW

Conditional Redirect 2

Preemptable Capacity	Scheduling Capacity
50 MW	50 MW



The "Scheduling Capacity" bucket is what is currently known as "capacity" and is used for supporting scheduling rights and for calculating ATC. It is reduced via the Reduction Template when there is a Resale, Transfer, or Redirect.

The "Preemptable Capacity" bucket is a new concept and is used solely to provide the capacity available for P&C on that reservation. It is reduced via a new Reduction Template when there is a redirect or transfer against it. It is not reduced for a Resale. It is zero when a reservation is unconditional.

The Conditionality Date/Time is when a firm reservation will become unconditional and when a non firm will become "safe".

The Preemptable Capacity and the Conditionality Date/Time should be added to OASIS.

50 MW of Day 3 is resold.

The Scheduling Capacity on the parent is reduced by 50, but the Preemptable Capacity remains the same. The child resale has 50 MW capacity for scheduling, but 0 MW for competition. Since the paths are the same, both the Parent and Resale encumber ATC.



50 MW of Day 1 is redirected.

Both the Preemptable Capacity and the Scheduling Capacity are reduced on the original reservation. The Redirect contains both the Preemptable Capacity and the Scheduling Capacity. The Redirect is no longer in the daisy chain and will stand on its own.

25 MW of the Resale is redirected.

- **On the original reservation, the Preemptable Capacity is reduced by the 25 MW needed by the Redirect, but the Scheduling Capacity remains the same.**
- **On the Resale, the Scheduling Capacity on the Resale is reduced by the 25 MW needed by the Redirect.**
- **On the Redirect, both the Preemptable Capacity that came from the Original and the Scheduling Capacity that came from the Resale contain 25 MW. The Redirect is no longer in the daisy chain and will stand on its own.**
- **This only applies to a Firm Redirect.**





The Original Reservation is Preempted by

- The capacity that was redirected from the original in Day 1 and from the resale in Day 3 is no longer available on the original for preemption.
- On the original reservation, there is only 50 MW – 100 MW - 75 MW available for preemption, and to give the 75 on Day 3 to the challenger, the original must recall the 25 MW remaining on the Resale.
- The Resale now has zero available to schedule.
- The Original now has 0 MW, 25 MW, and 0 MW available for both competition and scheduling.







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