

Markets Gateway Reserve Pricing Changes

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Purpose / Document Description

The Markets Gateway system has incurred numerous changes as a result of implementing the “Reserves Price Formation”. The intent of this document is to: #1 Help provide a sense of what Markets Gateway looks like under the new Reserves Pricing construct; #2 Assist with quickly identifying the impacts to a PJM member/participant that result from these Markets Gateway changes.

The document is broken down into 6 key functional areas of impacts: Retired XML, Revised XML, New XML, Retired Screens, Revised Screens, and New Screens. The “Table of Contents” and the “Quick Reference Guide of Changes” should provide a quick means to identify areas of Markets Gateway where members/participants may be impacted. Hopefully, this document makes it much easier to determine and implement the changes that are required in order to participate in the Reserves market in as seamless manner as possible.

General Comments

It should be noted that for all of the XML examples provided through-out the document, it is assumed that the XML would be wrapped in the required SOAP envelope as shown:

```
<?xml version="1.0"?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
<env:Header/>
<env:Body>

    --- actual message body goes here ---

</env:Body>
</env:Envelope>
```

Quick Reference Guide of Changes

Screen Reference	Revision Type	Old XML	New XML
Demand Response			
Demand Response -> Parameters	Screen & XML Changes	DSRDetail	DSRDetail
Synchronized Reserve Market -> Offers	Screen Changes / XML Retired	DSRSynchReserveOffer QueryDSRSynchReserveOffer	DSRSynchronizedReserveOffer QueryDSRSynchronizedReserveOffer
Synchronized Reserve Market -> Updates	Screen Changes / XML Retired	DSRSynchReserveUpdate QueryDSRSynchReserveUpdate	DSRSynchronizedReserveUpdate QueryDSRSynchronizedReserveUpdate
Day-Ahead Scheduling Reserve Market -> Offers	Retired	DSRSchedReserveOffer QueryDSRSchedReserveOffer	N/A
Day-Ahead Scheduling Reserve Market -> Updates	Retired	DSRSchedReserveUpdate QueryDSRSchedReserveUpdate	N/A
Secondary Reserve Market -> Offers	Added	N/A	DSRSecondaryReserveOffer QueryDSRSecondaryReserveOffer
Secondary Reserve Market -> Updates	Added	N/A	DSRSecondaryReserveUpdate QueryDSRSecondaryReserveUpdate
Market Results -> Regulation & Reserve Award	Screen Name Change / XML Retired	QueryDSRRREGAward	QueryDSRRRegulationAward / QueryDSRRTSynchronizedReserveAward
Market Results -> DA Energy Award	New Screen Name	QueryMarketResults	QueryMarketResults
Market Results -> Regulation Award	New Screen Name / New XML	N/A	QueryDSRRRegulationAward
Market Results -> Day-Ahead Scheduling Reserve Award	Retired	QueryDSRSchedReserveAward	N/A
Market Results -> DA Synchronized Reserve Award	Added	N/A	QueryDSRDA SynchronizedReserveAward
Market Results -> RT Synchronized Reserve Award	Added	N/A	QueryDSRRTSynchronizedReserveAward
Market Results -> DA Secondary Reserve Award	Added	N/A	QueryDSRDASecondaryReserveAward
Market Results -> RT Secondary Reserve Award	Added	N/A	QueryDSRRTSecondaryReserveAward
Generator			
Unit -> Synchronized Reserve Ramp Rates	Retired	UnitDetail -> SpinRampRateCurve QueryUnitDetail -> SpinRampRateCurve	UnitDetail -> RampRateCurve QueryUnitDetail -> RampRateCurve
Unit -> Energy Ramp Rates	Screen Name Change / XML Retired	UnitDetail -> EnergyRampRateCurve QueryUnitDetail -> EnergyRampRateCurve	UnitDetail -> RampRateCurve QueryUnitDetail -> RampRateCurve
Unit -> Energy Ramp Rate Updates	Screen Name Change	UnitRampRates QueryUnitRampRates	UnitRampRates QueryUnitRampRates
Unit -> Ramp Rates	New Screen Name	UnitDetail -> EnergyRampRateCurve QueryUnitDetail -> EnergyRampRateCurve	UnitDetail -> RampRateCurve QueryUnitDetail -> RampRateCurve
Unit -> Ramp Rate Updates	New Screen Name	UnitRampRates QueryUnitRampRates	UnitRampRates QueryUnitRampRates
Unit -> Hourly Updates	Screen/XML Changes	UnitUpdate QueryUnitUpdate	UnitUpdate QueryUnitUpdate
Unit -> Detail	Screen/XML Changes	UnitDetail QueryUnitDetail	UnitDetail QueryUnitDetail
Unit -> Dispatch Lambda	Screen/XML Changes	QueryDispatchLambda	QueryDispatchLambda
Market Results -> Results	Screen Name Change	QueryMarketResults	QueryMarketResults
Market Results -> Regulation & Reserve Award	Screen Name Change / XML Retired	QuerySPREGAward	QueryRegulationAward / QueryRTSynchronizedAward
Market Results -> DA Energy Award	New Screen Name	QueryMarketResults	QueryMarketResults
Market Results -> Regulation Award	New Screen Name / New XML	N/A	QueryRegulationAward
Market Results -> Day-Ahead Scheduling Reserve Award	Retired	QuerySchedReserveAward	N/A
Market Results -> DA Synchronized Reserve Award	Added	N/A	QueryDA SynchronizedReserveAward
Market Results -> RT Synchronized Reserve Award	Added	N/A	QueryRTSynchronizedReserveAward
Market Results -> DA Non-Synchronized Reserve Award	Added	N/A	QueryDANonSynchronizedReserveAward
Market Results -> DA Secondary Reserve Award	Added	N/A	QueryDASecondaryReserveAward
Market Results -> RT Secondary Reserve Award	Added	N/A	QueryRTSecondaryReserveAward
Synchronized Reserve Market -> Offers	Screen Changes / XML Retired	SpinningReserveOffer QuerySpinningReserveOffer	SynchronizedReserveOffer QuerySynchronizedReserveOffer
Synchronized Reserve Market -> Updates	Screen Changes / XML Retired	SpinningReserveUpdate QuerySpinningReserveUpdate	SynchronizedReserveUpdate QuerySynchronizedReserveUpdate
Non-Synchronized Reserve Market -> Offers	Added	N/A	NonSynchronizedReserveOffer QueryNonSynchronizedReserveOffer
Non-Synchronized Reserve Market -> Updates	Added	N/A	NonSynchronizedReserveUpdate QueryNonSynchronizedReserveUpdate
Secondary Reserve Market -> Offers	Added	N/A	SecondaryReserveOffer QuerySecondaryReserveOffer
Secondary Reserve Market -> Updates	Added	N/A	SecondaryReserveUpdate QuerySecondaryReserveUpdate
Day-Ahead Scheduling Reserve Market	Retired	SchedReserveOffer QuerySchedReserveOffer	N/A
Public			
Reports -> Demand Summary	XML Changes	QueryDemandSummary	QueryDemandSummary
Reports -> DA Synchronized Reserve Results	Added	N/A	QueryDA SynchronizedReserveResults
Reports -> RT Synchronized Reserve Results	Added	N/A	QueryRTSynchronizedReserveResults
Reports -> DA Primary Reserve Results	Added	N/A	QueryDAPrimaryReserveResults
Reports -> RT Primary Reserve Results	Added	N/A	QueryRTPrimaryReserveResults
Reports -> DA 30 Minute Reserve Results	Added	N/A	QueryDA30MinuteReserveResults
Reports -> RT 30 Minute Reserve Results	Added	N/A	QueryRT30MinuteReserveResults
Reports -> Synchronized Reserve Results	Report Name Changed / New XML	QuerySpinReserveResults	QueryRTSynchronizedReserveResults
Market Results Ancillary Services -> Day-Ahead Scheduling Reserve Results	Retired	QuerySchedReserveResults	N/A
Market Results Ancillary Services -> Synchronized Reserve Results	Screen Name Change / XML Retired	QuerySpinReserveResults	QueryRTSynchronizedReserveResults
Market Results Ancillary Services -> Primary Reserve Results	Screen Name Change / XML Retired	QueryPrimaryReserveResults	QueryRTPrimaryReserveResults
Market Results Ancillary Services -> DA Synchronized Reserve Results	Added	N/A	QueryDA SynchronizedReserveResults
Market Results Ancillary Services -> RT Synchronized Reserve Results	New Screen Name / New XML	N/A	QueryRTSynchronizedReserveResults
Market Results Ancillary Services -> DA Primary Reserve Results	Added	N/A	QueryDAPrimaryReserveResults
Market Results Ancillary Services -> RT Primary Reserve Results	Added	N/A	QueryRTPrimaryReserveResults
Market Results Ancillary Services -> DA 30 Minute Reserve Results	Added	N/A	QueryDA30MinuteReserveResults
Market Results Ancillary Services -> RT 30 Minute Reserve Results	Added	N/A	QueryRT30MinuteReserveResults
Market Results Ancillary Services -> Active Subzone	Added	N/A	QueryActiveSubzone
Market Results Energy -> Demand Summary	XML Changes	QueryDemandSummary	QueryDemandSummary
Bilaterals			
Regulation Bilaterals	Screen/XML Attribute Change	QueryRegulationBilaterals	QueryRegulationBilaterals
Synchronized Reserve Bilaterals	Screen Changes / XML Retired	QuerySpinReserveBilaterals	QuerySynchronizedReserveBilaterals
Non-Synchronized Reserve Bilaterals	XML Retired	QueryASBilaterals	QueryNonSynchronizedReserveBilaterals
Secondary Reserve Bilaterals	Added	N/A	QuerySecondaryReserveBilaterals
Day-Ahead Scheduling Reserve Bilaterals	Retired	QuerySchedReserveBilaterals	N/A

Retired XML

SpinRampRateCurve

Impacts

- Remove SpinRampRateCurve section from SubmitRequest of UnitDetail
- QueryUnitDetail response will not contain the SpinRampRateCurve section.

Comments

- Replaced by RampRateCurve section within UnitDetail

EnergyRampRateCurve

Impacts

- Remove EnergyRampRateCurve section from SubmitRequest of UnitDetail
- QueryUnitDetail response will not contain the EnergyRampRateCurve section.

Comments

- Replaced by RampRateCurve section within UnitDetail

SpinningReserveOffer

Impacts

- SubmitRequest of SpinningReserveOffer unavailable.
- QueryRequest of QuerySpinningReserveOffer unavailable

Comments

- Replaced by SynchronizedReserveOffer & QuerySynchronizedReserveOffer

SpinningReserveUpdate

Impacts

- SubmitRequest of SpinningReserveUpdate unavailable.
- QueryRequest of QuerySpinningReserveUpdate unavailable

Comments

- Replaced by SynchronizedReserveUpdate, and QuerySynchronizedReserveUpdate

SchedReserveOffer

Impacts

- SubmitRequest of SchedReserveOffer unavailable.
- QueryRequest of QuerySchedReserveOffer unavailable

SchedReserveAward

Impacts

- QueryRequest of QuerySchedReserveAward unavailable

SchedReserveResults

Impacts

- QueryRequest of QuerySchedReserveResults unavailable

SPREGAward

Impacts

- QueryRequest of QuerySPREGAward unavailable

SpinReserveResults

Impacts

- QueryRequest of QuerySpinReserveResults unavailable

Comments

- Replaced by QueryDASynchronizedReserveResults, and QueryRTSynchronizedReserveResults

PrimaryReserveResults

Impacts

- QueryRequest of QueryPrimaryReserveResults unavailable

Comments

- Replaced by QueryDAPrimaryReserveResults, and QueryRTPrimaryReserveResults

DSRSynchReserveOffer

Impacts

- SubmitRequest of DSRSynchReserveOffer unavailable.
- QueryRequest of QueryDSRSynchReserveOffer unavailable

Comments

- Replaced by DSRSynchronizedReserveOffer, and QueryDSRSynchronizedReserveOffer

DSRSynchReserveUpdate

Impacts

- SubmitRequest of DSRSynchReserveUpdate unavailable.
- QueryRequest of QueryDSRSynchReserveUpdate unavailable

Comments

- Replaced by DSRSynchronizedReserveUpdate, , and QueryDSRSynchronizedReserveUpdate

DSRSchedReserveOffer

Impacts

- SubmitRequest of DSRSchedReserveOffer unavailable.
- QueryRequest of QueryDSRSchedReserveOffer unavailable

DSRSchedReserveUpdate

Impacts

- SubmitRequest of DSRSchedReserveUpdate unavailable.
- QueryRequest of QueryDSRSchedReserveUpdate unavailable

DSRSchedReserveAward

Impacts

- QueryRequest of QueryDSRSchedReserveAward unavailable

DSRSRREGAward

Impacts

- QueryRequest of QueryDSRSRREGAward unavailable

QuerySchedReserveBilaterals

Impacts

- QueryRequest of QuerySchedReserveBilaterals unavailable

QuerySpinReserveBilaterals

Impacts

- QueryRequest of QuerySpinReserveBilaterals unavailable

Comments

- Replaced by QuerySynchronizedReserveBilaterals

QueryASBilaterals

Impacts

- QueryRequest of QueryASBilaterals unavailable

Comments

- Replaced by QueryNonSynchronizedReserveBilaterals

Revised XML

Screen: Generator > Unit > Hourly Updates

UnitUpdate / QueryUnitUpdate:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
SynchronizedLimits	UnitUpdateHourly	Added	Synch Max / Discharge Synch Max
SecondaryLimits	UnitUpdateHourly	Added	Secondary Max / Discharge Secondary Max
ChargeSynchronizedLimits	UnitUpdateHourly	Added	Charge Synchronized Max
ChargeSecondaryLimits	UnitUpdateHourly	Added	Charge Secondary Max
Flexible	UnitUpdateHourly	Added	Flexible
AreaName (read only)	UnitUpdateHourly	Added	Area
NotificationTime	UnitUpdateHourly	Removed	N/A (Not on the screen – see schedule detail updates)
CondenseNotificationTime	UnitUpdateHourly	Added	Condense Notification Time

XML Examples

```
<QueryRequest>
  <QueryUnitUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryUnitUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <UnitUpdate location="xxx" day="yyyy-mm-dd">
    <UnitUpdateHourly hour="hh">
      <EconomicLimits minMW="999.9" maxMW="999.9"/>
      <EmergencyLimits minMW="999.9" maxMW="999.9"/>
      <CommitStatus>xxx</CommitStatus>
      <FixedGen>xxx</FixedGen>
      <DefaultEconomicLimits minMW="999.9" maxMW="999.9"/>
      <DefaultEmergencyLimits minMW="999.9" maxMW="999.9"/>
      <PumpStorageLimits>
        <MinGenMW>45</MinGenMW>
        <MinPumpMW>50</MinPumpMW>
      </PumpStorageLimits>
      <Cir>999.9</Cir>
      <ChargeEconomicLimits minMW="999.9" maxMW="999.9"/>
      <ChargeEmergencyLimits minMW="999.9" maxMW="999.9"/>
      <DefaultChargeEconomicLimits minMW="999.9" maxMW="999.9"/>
      <DefaultChargeEmergencyLimits minMW="999.9" maxMW="999.9"/>
      <AncillaryOnly>>false</AncillaryOnly>
      <SynchronizedLimits maxMW="999.9"/>
      <ChargeSynchronizedLimits maxMW="999.9"/>
      <SecondaryLimits maxMW="999.9"/>
      <ChargeSecondaryLimits maxMW="999.9"/>
      <Flexible>>false</Flexible>
      <CondenseNotificationTime>99</CondenseNotificationTime >
    </UnitUpdateHourly>
  </UnitUpdate>
</SubmitRequest>
```

Screen: Generator > Unit > Detail

UnitDetail / Query Unit Detail:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
ReserveAsCondenser	UnitDetail	Added	Reserve as Condenser
CondenseToGenTime	UnitDetail	Added	To Generate Time
Flexible	UnitDetail	Added	Flexible Reserve
AllowPumpingUnitProvideReserve	UnitDetail	Added	AllowPumpingUnitProvideReserve
SpinRampRateCurve	UnitDetail	Removed	
EnergyRampRateCurve	UnitDetail	Removed	
RampRateCurve	UnitDetail	Added	Ramp Rates screen
Synchronized	DefaultLimits	Added	Synch Max / Discharge Synch Max

Secondary	DefaultLimits	Added	Secondary Max / Discharge Secondary Max
ChargeSynchronized	DefaultLimits	Added	Charge Synchronized Max
ChargeSecondary	DefaultLimits	Added	Charge Secondary Max

XML Examples

```
<QueryRequest>  
  <QueryUnitDetail day="yyyy-mm-dd">  
    <All/>  
    <LocationName>zzz</LocationName>  
    <PortfolioName>zzz</PortfolioName>  
  </QueryUnitDetail>  
</QueryRequest>
```

```

<SubmitRequest>
<UnitDetail location="xxx" day="yyyy-mm-dd">
<DefaultCommitStatus>xxx</DefaultCommitStatus>
<FixedGen>xxx</FixedGen>
<DefaultLimits>
<Economic minMW="999.9" maxMW="999.9"/>
<Emergency minMW="999.9" maxMW="999.9"/>
<Cir>999.9</Cir>
<Regulation minMW="999.9" maxMW="999.9"/>
<Synchronized maxMW="999.99" />
<Secondary maxMW="999.99" />
<ChargeEconomic minMW="999.9" maxMW="999.9"/>
<ChargeEmergency minMW="999.9" maxMW="999.9"/>
<ChargeSynchronized maxMW="999.9"/>
<ChargeSecondary maxMW="999.9"/>
<StateOfCharge minMW="999.9" maxMW="999.9"/>
<Temperature>
<EconomicRange>
<Low MW="999.9" temperature="999.9"/>
<Middle MW="999.9" temperature="999.9"/>
<High MW="999.9" temperature="999.9"/>
</EconomicRange>
<EmergencyRange>
<Low MW="999.9" temperature="999.9"/>
<Middle MW="999.9" temperature="999.9"/>
<High MW="999.9" temperature="999.9"/>
</EmergencyRange>
</Temperature>
</DefaultLimits>
<DefaultStartupCosts interval="x">
<UseCostBasedStartup>xxx</UseCostBasedStartup>
<NoLoad>xxx</NoLoad>
<ColdStartup>xxx</ColdStartup>
<IntermediateStartup>xxx</IntermediateStartup>
<HotStartup>xxx</HotStartup>
</DefaultStartupCosts>
<DefaultRampRate>999.9</DefaultRampRate>
<RampRateCurve>
<RampRate downRate="999.9" MW="9999.9" rate="999.9"/>
</RampRateCurve>
<CondenseAvailable>xxx</CondenseAvailable>
<CondenseStartupCost>xxx</CondenseStartupCost>
<CondenseEnergyUsage>xxx</CondenseEnergyUsage>
<CondenseToGenCost>xxx</CondenseToGenCost>
<CondenseToGenTime>xxx</CondenseToGenTime>
<CondenseNotificationTime>xxx</CondenseNotificationTime>
<CondenseHourlyCost>xxx</CondenseHourlyCost>
<CombinedCycleParameters>
<MinTimeBetweenStartups>xxx</MinTimeBetweenStartups>
<AllowSimpleCycle>xxx</AllowSimpleCycle>
<CombinedCycleFactor>xxx</CombinedCycleFactor>
</CombinedCycleParameters>
<PumpStorageParameters>
<PumpingFactor>0.91</PumpingFactor>
<InitialMWH>10</InitialMWH>
<FinalMWH>100</FinalMWH>
<MaxMWH>2.5</MaxMWH>
<MinMWH>1.5</MinMWH>
</PumpStorageParameters>
<PumpStorageLimits>
<MinGenMW>45</MinGenMW>
<MinPumpMW>50</MinPumpMW>
</PumpStorageLimits>
<SelfSupply>>false</SelfSupply>
<ReducedRampRatePct>999</ReducedRampRatePct>
<UseExtendedCold>>false</UseExtendedCold>
<DualFuelCapability>>false</DualFuelCapability>
<ApprovedFuelCostPolicy>>false</ApprovedFuelCostPolicy>
<ReserveAsCondenser>>false</ReserveAsCondenser>
<Flexible>>false</Flexible>
<AllowPumpingUnitProvideReserve>>false</AllowPumpingUnitProvideReserve>
</UnitDetail>
</SubmitRequest>
    
```

Screen: Generator > Unit > Dispatch Lambda

QueryDispatchLambda:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
SRAssignedMW	DispatchLambda	Added	SR Assignment
SecRAssignedMW	DispatchLambda	Added	SecR Assignment
Tier1MW	DispatchLambda	Removed	Tier 1 MW
Tier2MW	DispatchLambda	Removed	Tier 2 MW

DGPSR	DispatchLambda	Removed	DGPSR
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XML Examples

```
<QueryRequest>
  <QueryDispatchLambda>
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>xxx</PortfolioName>
  </QueryDispatchLambda>
</QueryRequest>
```

```
<QueryResponse>
  <DispatchLambdaSet>
    <DispatchLambda location="xxx" interval="yyyy-mm-ddThh:mm:ss">
      <ScheduleDescription>xxx</ScheduleDescription>
      <ScheduleType>xxx</ScheduleType>
      <RegMWAssignment>999.9</RegMWAssignment>
      <LambdaDispatchRate>999.99</LambdaDispatchRate>
      <LambdaMW>999.9</LambdaMW>
      <DeviationMW>999.9</DeviationMW>
      <EnergyMin>999.9</EnergyMin>
      <EnergyMax>999.9</EnergyMax>
      <CapacityMax>999.9</CapacityMax>
      <Status>xxx</Status>
      <NonRampLambdaMW>999.9</NonRampLambdaMW>
      <CalledOnTime> yyyy-MM-dd'T'HH:mm:ss.SSSz</CalledOnTime>
      <CalledOffTime> yyyy-MM-dd'T'HH:mm:ss.SSSz</CalledOffTime>
      <SRAssignedMW>999.9</SRAssignedMW>
      <SecRAssignedMW>999.9</SecRAssignedMW>
    </DispatchLambda>
  </DispatchLambdaSet>
</QueryResponse>
```

Screen: Demand Response > Demand Response > Parameters

DSRDetail / QueryDSRDetail:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
Flexible	DSRDetail	Added	Flexible Reserve

XML Examples

```
<QueryRequest>
  <QueryDSRDetail day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDSRDetail>
</QueryRequest>
```

```
<SubmitRequest>
  <DSRDetail location="xxx" day="yyyy-mm-dd">
    <ShutdownCost1>"99.9"</ShutdownCost1>
    <ShutdownCost2>"99.9"</ShutdownCost2>
    <MinimumDowntime>xxx</MinimumDowntime>
    <NotificationTime>xxx</NotificationTime>
    <Flexible>true</Flexible>
  </DSRDetail>
</SubmitRequest>
```

Screen: Bilaterals > Regulation Bilaterals

QueryResponse from QueryRegulationBilaterals:

XML Attribute Name	Revision Type	Comment
day	Removed	Date obtained from QueryRequest

XML Examples

```
<QueryRequest>
  <QueryRegulationBilaterals day="yyyy-mm-dd"/>
</QueryRequest>
```

Old

```
<QueryResponse>
  <RegulationBilaterals day="yyyy-mm-dd">
    <BilateralSchedule>
      <Confirmed>xxx</Confirmed>
      <BilateralID>xxx</BilateralID>
      <Buyer>xxx</Buyer>
      <Seller>xxx</Seller>
      <MW>xxx</MW>
      <StartTime>xxx</StartTime>
      <StopTime>xxx</StopTime>
      <ConfirmationTime>xxx</ConfirmationTime>
      <AreaName>xxx</AreaName>
    </BilateralSchedule>
  </RegulationBilaterals>
</QueryResponse>
```

New

```
<QueryResponse>
  <RegulationBilaterals>
    <BilateralSchedule>
      <Confirmed>xxx</Confirmed>
      <BilateralID>xxx</BilateralID>
      <Buyer>xxx</Buyer>
      <Seller>xxx</Seller>
      <MW>xxx</MW>
      <StartTime>xxx</StartTime>
      <StopTime>xxx</StopTime>
      <ConfirmationTime>xxx</ConfirmationTime>
      <AreaName>xxx</AreaName>
    </BilateralSchedule>
  </RegulationBilaterals>
</QueryResponse>
```

Screen: Public > Market Results Energy/Reports > Demand Summary

QueryResponse from QueryDemandSummary:

XML Attribute Name	Revision Type	Comment
DemandSummarySet	Removed	Changed the name to DemandSummaryByArea
DemandSummaryByArea	Added	Replaced DemandSummarySet
ReserveMW	Added	

XML Examples

```
<QueryRequest>
  <QueryDemandSummary day="yyyy-mm-dd"/>
</QueryRequest>
```

Old


```
<QueryResponse>
  <DemandSummary day="yyyy-mm-dd">
    <DemandSummaryHourly hour="hh">
      <DemandSummarySet>
        <ForecastMW>xxx</ForecastMW>
        <DemandBidMW>xxx</DemandBidMW>
        <Area>xxx</Area>
      </DemandSummarySet>
    </DemandSummaryHourly>
  </DemandSummary>
```

New

```
<QueryResponse>
  <DemandSummary day="yyyy-mm-dd">
    <DemandSummaryHourly hour="hh">
      <DemandSummaryByArea>
        <ForecastMW>xxx</ForecastMW>
        <DemandBidMW>xxx</DemandBidMW>
        <ReserveMW>xxx</ReserveMW>
        <Area>xxx</Area>
      </DemandSummaryByArea>
    </DemandSummaryHourly>
  </DemandSummary>
</QueryResponse>
```

New XML

Screen: Generator > Synchronized Reserve Market > Offers

SynchronizedReserveOffer / QuerySynchronizedReserveOffer:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	SynchronizedReserveOffer	Added	Offer MW
OfferPrice	SynchronizedReserveOffer	Added	Offer Price

XML Examples

```
<QueryRequest>
  <QuerySynchronizedReserveOffer day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QuerySynchronizedReserveOffer>
</QueryRequest>
```

```
<SubmitRequest>
  <SynchronizedReserveOffer location="xxx" day="yyyy-mm-dd">
    <OfferMW>999.9</OfferMW>
    <OfferPrice>9.99</OfferPrice>
  </SynchronizedReserveOffer>
</SubmitRequest>
```

Screen: Generator > Synchronized Reserve Market > Updates

SynchronizedReserveUpdate / QuerySynchronizedReserveUpdate:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	SynchronizedReserveUpdateHourly	Added	Offer MW
OfferPrice	SynchronizedReserveUpdateHourly	Added	Offer Price
Unavailable	SynchronizedReserveUpdateHourly	Added	Availability
SelfScheduled	SynchronizedReserveUpdateHourly	Added	Self Scheduled

XML Examples

```
<QueryRequest>
  <QuerySynchronizedReserveUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QuerySynchronizedReserveUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <SynchronizedReserveUpdate location="xxx" day="yyyy-mm-dd">
    <SynchronizedReserveUpdateHourly hour="hh">
      <OfferMW>999.9</OfferMW>
      <OfferPrice>999.9</OfferPrice>
      <Unavailable>false</Unavailable>
      <SelfScheduled>false</SelfScheduled>
    </SynchronizedReserveUpdateHourly>
  </SynchronizedReserveUpdate>
</SubmitRequest>
```

Screen: Generator > Non-Synchronized Reserve Market > Offers

NonSynchronizedReserveOffer / QueryNonSynchronizedReserveOffer:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	NonSynchronizedReserveOffer	Added	Offer MW

XML Examples

```
<QueryRequest>
  <QueryNonSynchronizedReserveOffer day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryNonSynchronizedReserveOffer>
</QueryRequest>
```

```
<SubmitRequest>
  <NonSynchronizedReserveOffer location="xxx" day="yyyy-mm-dd">
    <OfferMW>999.9</OfferMW>
  </NonSynchronizedReserveOffer>
</SubmitRequest>
```

Screen: Generator > Non-Synchronized Reserve Market > Updates

NonSynchronizedReserveUpdate / QueryNonSynchronizedReserveUpdate:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	NonSynchronizedReserveUpdateHourly	Added	Offer MW
Unavailable	NonSynchronizedReserveUpdateHourly	Added	Availability

XML Examples

```
<QueryRequest>
  <QueryNonSynchronizedReserveUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryNonSynchronizedReserveUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <NonSynchronizedReserveUpdate location="xxx" day="yyyy-mm-dd">
    <NonSynchronizedReserveUpdateHourly hour="hh">
      <OfferMW>999.9</OfferMW>
      <Unavailable>xxx</Unavailable>
    </NonSynchronizedReserveUpdateHourly>
  </NonSynchronizedReserveUpdate>
</SubmitRequest>
```

Screen: Generator > Secondary Reserve Market > Offers

SecondaryReserveOffer / QuerySecondaryReserveOffer:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	SecondaryReserveOffer	Added	Offer MW

XML Examples

```
<QueryRequest>
  <QuerySecondaryReserveOffer day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QuerySecondaryReserveOffer>
</QueryRequest>
```

```
<SubmitRequest>
  <SecondaryReserveOffer location="xxx" day="yyyy-mm-dd">
    <OfferMW>999.9</OfferMW>
  </SecondaryReserveOffer>
</SubmitRequest>
```

Screen: Generator > Secondary Reserve Market > Updates

SecondaryReserveUpdate / QuerySecondaryReserveUpdate:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	SecondaryReserveUpdateHourly	Added	Offer MW

Unavailable	SecondaryReserveUpdateHourly	Added	Availability
-------------	------------------------------	-------	--------------

XML Examples

```
<QueryRequest>
  <QuerySecondaryReserveUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QuerySynchReserveUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <SecondaryReserveUpdate location="xxx" day="yyyy-mm-dd">
    <SecondaryReserveUpdateHourly hour="hh">
      <OfferMW>999.9</OfferMW>
      <Unavailable>xxx</Unavailable>
    </SecondaryReserveUpdateHourly>
  </SecondaryReserveUpdate>
</SubmitRequest>
```

Screen: Demand Response > Synchronized Reserve Market > Offers

NOTE: DRSynchReserveOffer renamed to DRSynchronizedReserveOffer

[DRSynchronizedReserveOffer / QueryDRSynchronizedReserveOffer:](#)

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	DRSynchronizedReserveOffer	Added	Offer MW
OfferPrice	DRSynchronizedReserveOffer	Added	Offer Price
Unavailable	DRSynchronizedReserveOffer	Added	Availability
Flexible	DRSynchReserveOffer	Removed	Flexible
Available	DRSynchReserveOffer	Removed	Available Status

XML Examples

Old

```
<QueryRequest>
  <QueryDRSynchReserveOffer day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDRSynchReserveOffer>
</QueryRequest>
```

```
<SubmitRequest>
  <DRSynchReserveOffer location="xxx" day="yyyy-mm-dd">
    <OfferMW>999.9</OfferMW>
    <OfferPrice>999.99</OfferPrice>
    <Available>true</Available>
    <Flexible>true</Flexible>
  </DRSynchReserveOffer>
</SubmitRequest>
```

New

```
<QueryRequest>
  <QueryDRSynchronizedReserveOffer day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDRSynchronizedReserveOffer>
</QueryRequest>
```

```
<SubmitRequest>
  <DRSynchronizedReserveOffer location="xxx" day="yyyy-mm-dd">
    <OfferMW>999.9</OfferMW>
    <OfferPrice>999.99</OfferPrice>
    <Unavailable>true</Unavailable>
  </DRSynchronizedReserveOffer>
</SubmitRequest>
```

Screen: Demand Response > Synchronized Reserve Market > Updates

NOTE: DRSynchReserveUpdate renamed to DRSynchronizedReserveUpdate

[DRSynchronizedReserveUpdate / QueryDRSynchronizedReserveUpdate:](#)

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	DRSynchronizedReserveUpdateHourly	Added	Offer MW
OfferPrice	DRSynchronizedReserveUpdateHourly	Added	Offer Price
SelfScheduled	DRSynchronizedReserveUpdateHourly	Added	Self Scheduled
Unavailable	DRSynchronizedReserveUpdateHourly	Added	Availability
SelfScheduledMW	DRSynchReserveUpdateHourly	Removed	

XML Examples

Old

```
<QueryRequest>
  <QueryDRSynchReserveUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDRSynchReserveUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <DRSynchReserveUpdate location="xxx" day="yyyy-mm-dd">
    <DRSynchReserveUpdateHourly hour="hh">
      <OfferMW>999.9</OfferMW>
      <OfferPrice>999.99</OfferPrice>
      <Unavailable>xxx</Unavailable>
      <SelfScheduledMW>999.9</SelfScheduledMW>
    </DRSynchReserveUpdateHourly>
  </DRSynchReserveUpdate>
</SubmitRequest>
```

New

```
<QueryRequest>
  <QueryDRSynchronizedReserveUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDRSynchronizedReserveUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <DRSynchronizedReserveUpdate location="xxx" day="yyyy-mm-dd">
    <DRSynchronizedReserveUpdateHourly hour="hh">
      <OfferMW>999.9</OfferMW>
      <OfferPrice>999.99</OfferPrice>
      <SelfScheduled>true</SelfScheduled>
      <Unavailable>true</Unavailable>
    </DRSynchronizedReserveUpdateHourly>
  </DRSynchronizedReserveUpdate>
</SubmitRequest>
```

Screen: Demand Response > Secondary Reserve Market > Offers

[DRSSecondaryReserveOffer / QueryDRSSecondaryReserveOffer:](#)

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	DRSSecondaryReserveOffer	Added	Offer MW
Unavailable	DRSSecondaryReserveOffer	Added	Availability

XML Examples

```
<QueryRequest>
  <QueryDSRSecondaryReserveOffer day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDSRSecondaryReserveOffer>
</QueryRequest>
```

```
<SubmitRequest>
  <DSRSecondaryReserveOffer location="xxx" day="yyyy-mm-dd">
    <OfferMW>999.9</OfferMW>
    <Unavailable>true</Unavailable>
  </DSRSecondaryReserveOffer>
</SubmitRequest>
```

Screen: Demand Response > Secondary Reserve Market > Updates

DSRSecondaryReserveUpdate / QueryDSRSecondaryReserveUpdate:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
OfferMW	DSRSecondaryReserveUpdateHourly	Added	Offer MW
Unavailable	DSRSecondaryReserveUpdateHourly	Added	Availability

XML Examples

```
<QueryRequest>
  <QueryDSRSecondaryReserveUpdate day="yyyy-mm-dd">
    <All/>
    <LocationName>zzz</LocationName>
    <PortfolioName>zzz</PortfolioName>
  </QueryDSRSynchReserveUpdate>
</QueryRequest>
```

```
<SubmitRequest>
  <DSRSecondaryReserveUpdate location="xxx" day="yyyy-mm-dd">
    <DSRSecondaryReserveUpdateHourly hour="hh">
      <OfferMW>999.9</OfferMW>
      <Unavailable>xxx</Unavailable>
    </DSRSecondaryReserveUpdateHourly>
  </DSRSecondaryReserveUpdate>
</SubmitRequest>
```

Screen: Demand Response > Market Results > Regulation Award

QueryDSRRRegulationAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
RegAOfferMW	RegulationAwardHourly	Added	Reg A Offer MW
RegAAwardedMW	RegulationAwardHourly	Added	Reg A Awarded MW
RegDOfferMW	RegulationAwardHourly	Added	Reg D Offer MW
RegDAwardedMW	RegulationAwardHourly	Added	Reg D Awarded MW
SelfScheduledMW	RegulationAwardHourly	Added	Self-Schedule MW
TPSResult	RegulationAwardHourly	Added	TPS Result
RegOfferPriceUsed	RegulationAwardHourly	Added	Reg Price Offer Used
PerformanceScore	RegulationAwardHourly	Added	Performance Score

XML Examples

```
<QueryRequest>
  <QueryDSRRegulationAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDSRRegulationAward>
</QueryRequest>
```

```
<QueryResponse>
  <DSRRegulationAwardSet>
    <RegulationAward location="xxx" day="yyyy-mm-dd">
      <RegulationAwardHourly hour="hh">
        <RegAOfferMW>999.9</RegAOfferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <RegAAwardedMW>999.9</RegAAwardedMW>
        <TPSResult>zzz</TPSResult>
        <RegOfferPriceUsed>99999999.99</RegOfferPriceUsed>
        <PerformanceScore>9.999999</PerformanceScore>
        <RegDOfferMW>999.9</RegDOfferMW>
        <RegDAwardedMW>999.9</RegDAwardedMW>
      <RegulationAwardHourly>
    </RegulationAward>
  </DSRRegulationAwardSet>
</QueryResponse>
```

Screen: Demand Response > Market Results > DA Synchronized Reserve Award

QueryDSRDASynchronizedReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SynchronizedReserveAwardHourly	Added	Area
OfferMW	SynchronizedReserveAwardHourly	Added	Offer MW
SelfScheduledMW	SynchronizedReserveAwardHourly	Added	Self-Scheduled MW
AwardedMW	SynchronizedReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryDSRDASynchronizedReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDSRDASynchronizedReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DSRDASynchronizedReserveAwardSet>
    <SynchronizedReserveAward location="xxx" day="yyyy-mm-dd">
      <SynchronizedReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <AwardedMW>999.99</AwardedMW>
      <SynchronizedReserveAwardHourly>
    </SynchronizedReserveAward>
  </DSRDASynchronizedReserveAwardSet>
</QueryResponse>
```

Screen: Demand Response > Market Results > RT Synchronized Reserve Award

QueryDSRRTSynchronizedReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SynchronizedReserveAwardHourly	Added	Area
OfferMW	SynchronizedReserveAwardHourly	Added	Offer MW
SelfScheduledMW	SynchronizedReserveAwardHourly	Added	Self-Scheduled MW
AwardedMW	SynchronizedReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryDSRRTSynchronizedReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDSRRTSynchronizedReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DSRRTSynchronizedReserveAwardSet>
    <SynchronizedReserveAward location="xxx" day="yyyy-mm-dd">
      <SynchronizedReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <AwardedMW>999.99</AwardedMW>
      </SynchronizedReserveAwardHourly>
    </SynchronizedReserveAward>
  </DSRRTSynchronizedReserveAwardSet>
</QueryResponse>
```

Screen: Demand Response > Market Results > DA Secondary Reserve Award

QueryDSRDASSecondaryReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SecondaryReserveAwardHourly	Added	Area
OfferMW	SecondaryReserveAwardHourly	Added	Offer MW
AwardedMW	SecondaryReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryDSRDASSecondaryReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDSRDASSecondaryReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DSRDASSecondaryReserveAwardSet>
    <SecondaryReserveAward location="xxx" day="yyyy-mm-dd">
      <SecondaryReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <AwardedMW>999.99</AwardedMW>
      </SecondaryReserveAwardHourly>
    </SecondaryReserveAward>
  </DSRDASSecondaryReserveAwardSet>
</QueryResponse>
```

Screen: Demand Response > Market Results > RT Secondary Reserve Award

QueryDSRRTSecondaryReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SecondaryReserveAwardHourly	Added	Area
OfferMW	SecondaryReserveAwardHourly	Added	Offer MW
AwardedMW	SecondaryReserveAwardHourly	Added	Awarded MW

XML Examples


```
<QueryRequest>
  <QueryDSRRTSecondaryReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDSRRTSecondaryReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DSRRTSecondaryReserveAwardSet>
    <SecondaryReserveAward location="xxx" day="yyyy-mm-dd">
      <SecondaryReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <AwardedMW>999.99</AwardedMW>
      </SecondaryReserveAwardHourly>
    </SecondaryReserveAward>
  </DSRRTSecondaryReserveAwardSet>
</QueryResponse>
```

Screen: Generator > Market Results > Regulation Award

QueryRegulationAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
RegAOfferMW	RegulationAwardHourly	Added	Reg A Offer MW
RegAAwardedMW	RegulationAwardHourly	Added	Reg A Awarded MW
RegDOfferMW	RegulationAwardHourly	Added	Reg D Offer MW
RegDAwardedMW	RegulationAwardHourly	Added	Reg D Awarded MW
SelfScheduledMW	RegulationAwardHourly	Added	Self-Schedule MW
TPSResult	RegulationAwardHourly	Added	TPS Result
RegOfferPriceUsed	RegulationAwardHourly	Added	Reg Price Offer Used
PerformanceScore	RegulationAwardHourly	Added	Performance Score

XML Examples

```
<QueryRequest>
  <QueryRegulationAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryRegulationAward>
</QueryRequest>
```

```
<QueryResponse>
  <RegulationAwardSet>
    <RegulationAward location="xxx" day="yyyy-mm-dd">
      <RegulationAwardHourly hour="hh">
        <RegAOfferMW>999.9</RegAOfferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <RegAAwardedMW>999.9</RegAAwardedMW>
        <TPSResult>zzz</TPSResult>
        <RegOfferPriceUsed>99999999.99</RegOfferPriceUsed>
        <PerformanceScore>9.999999</PerformanceScore>
        <RegDOfferMW>999.9</RegDOfferMW>
        <RegDAwardedMW>999.9</RegDAwardedMW>
      </RegulationAwardHourly>
    </RegulationAward>
  </RegulationAwardSet>
</QueryResponse>
```

Screen: Generator > Market Results > DA Synchronized Reserve Award

QueryDASynchronizedReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SynchronizedReserveAwardHourly	Added	Area
OfferMW	SynchronizedReserveAwardHourly	Added	Offer MW
SelfScheduledMW	SynchronizedReserveAwardHourly	Added	Self-Scheduled MW
AwardedMW	SynchronizedReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryDASynchronizedReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDASynchronizedReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DASynchronizedReserveAwardSet>
    <SynchronizedReserveAward location="xxx" day="yyyy-mm-dd">
      <SynchronizedReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <AwardedMW>999.99</AwardedMW>
      <SynchronizedReserveAwardHourly>
    </SynchronizedReserveAward>
  </DASynchronizedReserveAwardSet>
</QueryResponse>
```

Screen: Generator > Market Results > RT Synchronized Reserve Award

QueryRTSynchronizedReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SynchronizedReserveAwardHourly	Added	Area
OfferMW	SynchronizedReserveAwardHourly	Added	Offer MW
SelfScheduledMW	SynchronizedReserveAwardHourly	Added	Self-Scheduled MW
AwardedMW	SynchronizedReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryRTSynchronizedReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryRTSynchronizedReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <RTSynchronizedReserveAwardSet>
    <SynchronizedReserveAward location="xxx" day="yyyy-mm-dd">
      <SynchronizedReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <AwardedMW>999.99</AwardedMW>
      <SynchronizedReserveAwardHourly>
    </SynchronizedReserveAward>
  </RTSynchronizedReserveAwardSet>
</QueryResponse>
```

Screen: Generator > Market Results > DA Non-Synchronized Reserve Award

QueryDANonSynchronizedReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	NonSynchronizedReserveAwardHourly	Added	Area
OfferMW	NonSynchronizedReserveAwardHourly	Added	Offer MW
AwardedMW	NonSynchronizedReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryDANonSynchronizedReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDANonSynchronizedReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DANonSynchronizedReserveAwardSet>
    <NonSynchronizedReserveAward location="xxx" day="yyyy-mm-dd">
      <NonSynchronizedReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <AwardedMW>999.99</AwardedMW>
      </NonSynchronizedReserveAwardHourly>
    </NonSynchronizedReserveAward>
  </DANonSynchronizedReserveAwardSet>
</QueryResponse>
```

Screen: Generator > Market Results > DA Secondary Reserve Award

QueryDASecondaryReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SecondaryReserveAwardHourly	Added	Area
OfferMW	SecondaryReserveAwardHourly	Added	Offer MW
AwardedMW	SecondaryReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryDASecondaryReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryDASecondaryReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <DASecondaryReserveAwardSet>
    <SecondaryReserveAward location="xxx" day="yyyy-mm-dd">
      <SecondaryReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <AwardedMW>999.99</AwardedMW>
      </SecondaryReserveAwardHourly>
    </SecondaryReserveAward>
  </DASecondaryReserveAwardSet>
</QueryResponse>
```

Screen: Generator > Market Results > RT Secondary Reserve Award

QueryRTSecondaryReserveAward:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	SecondaryReserveAwardHourly	Added	Area

OfferMW	SecondaryReserveAwardHourly	Added	Offer MW
AwardedMW	SecondaryReserveAwardHourly	Added	Awarded MW

XML Examples

```
<QueryRequest>
  <QueryRTSecondaryReserveAward day="yyyy-mm-dd">
    <All/>
    <LocationName>xxx</LocationName>
    <PortfolioName>xxx</PortfolioName>
    <Hour>hh</Hour>
  </QueryRTSecondaryReserveAward>
</QueryRequest>
```

```
<QueryResponse>
  <RTSecondaryReserveAwardSet>
    <SecondaryReserveAward location="xxx" day="yyyy-mm-dd">
      <SecondaryReserveAwardHourly hour="hh">
        <AreaName>xyz</AreaName>
        <OfferMW>999.9</OfferMW>
        <AwardedMW>999.99</AwardedMW>
      </SecondaryReserveAwardHourly>
    </SecondaryReserveAward>
  </RTSecondaryReserveAwardSet>
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > DA Synchronized Reserve Results

QueryDASynchronizedReserveResults:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	DASynchronizedReserveResultsByArea	Added	Area
RequirementMW	DASynchronizedReserveResultsByArea	Added	Requirement
SRMCP	DASynchronizedReserveResultsByArea	Added	SR MCP
AvailableTransferMW	DASynchronizedReserveResultsByArea	Added	Avail. Transfer
SelfScheduledMW	DASynchronizedReserveResultsByArea	Added	Self Scheduled
AssignedMW	DASynchronizedReserveResultsByArea	Added	Assigned
TotalMW	DASynchronizedReserveResultsByArea	Added	Total
DeficiencyMW	DASynchronizedReserveResultsByArea	Added	Deficiency

XML Examples

```
<QueryRequest>
  <QueryDASynchronizedReserveResults day="yyyy-mm-dd">
    <All/>
    <AreaName>xxx</AreaName>
  </QueryDASynchronizedReserveResults>
</QueryRequest>
```

```
<QueryResponse>
  <DASynchronizedReserveResults day="yyyy-mm-dd">
    <DASynchronizedReserveResultsHourly hour="hh">
      <DASynchronizedReserveResultsByArea>
        <AreaName>xyz</AreaName>
        <RequirementMW>999.9</RequirementMW>
        <SRMCP>999.99</SRMCP>
        <AvailableTransferMW>999.9</AvailableTransferMW>
        <SelfScheduledMW>999.9</SelfScheduledMW>
        <AssignedMW>999.9</AssignedMW>
        <TotalMW>999.9</TotalMW>
        <DeficiencyMW>999.9</DeficiencyMW>
      </DASynchronizedReserveResultsByArea>
    </DASynchronizedReserveResultsHourly>
  </DASynchronizedReserveResults>
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > RT Synchronized Reserve Results

QueryRTSynchronizedReserveResults:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	RTSynchronizedReserveResultsByArea	Added	Area
RequirementMW	RTSynchronizedReserveResultsByArea	Added	Requirement
AvailableTransferPreliminaryMW	RTSynchronizedReserveResultsByArea	Added	Avail. Transfer Preliminary
SelfScheduledMW	RTSynchronizedReserveResultsByArea	Added	Self Scheduled
AssignedPreliminaryMW	RTSynchronizedReserveResultsByArea	Added	Assigned Preliminary
TotalPreliminaryMW	RTSynchronizedReserveResultsByArea	Added	Total Preliminary
DeficiencyPreliminaryMW	RTSynchronizedReserveResultsByArea	Added	Deficiency Preliminary

XML Examples

```
<QueryRequest>
  <QueryRTSynchronizedReserveResults day="yyyy-mm-dd">
    <All/>
    <AreaName>xxx</AreaName>
  </QueryRTSynchronizedReserveResults>
</QueryRequest>
```

```
<QueryResponse>
<RTSynchronizedReserveResults day="yyyy-mm-dd">
  <RTSynchronizedReserveResultsHourly hour="hh" >
    <RTSynchronizedReserveResultsByArea>
      <AreaName>xyz</AreaName>
      <RequirementMW>999.9</RequirementMW>
      <AvailableTransferPreliminaryMW>999.9</AvailableTransferPreliminaryMW>
      <SelfScheduledMW>999.9</SelfScheduledMW>
      <AssignedPreliminaryMW>999.9</AssignedPreliminaryMW>
      <TotalPreliminaryMW>999.9</TotalPreliminaryMW>
      <DeficiencyPreliminaryMW>999.9</DeficiencyPreliminaryMW>
    </RTSynchronizedReserveResultsByArea>
  </RTSynchronizedReserveResultsHourly>
</RTSynchronizedReserveResults>
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > DA Primary Reserve Results

QueryDAPrimaryReserveResults:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	DAPrimaryReserveResultsByArea	Added	Area
RequirementMW	DAPrimaryReserveResultsByArea	Added	Requirement
SRMCP	DAPrimaryReserveResultsByArea	Added	SR MCP
PRMCP	DAPrimaryReserveResultsByArea	Added	PR MCP
AvailableTransferMW	DAPrimaryReserveResultsByArea	Added	Avail. Transfer
SRSelfScheduledMW	DAPrimaryReserveResultsByArea	Added	SR Self Scheduled
SRAssignedMW	DAPrimaryReserveResultsByArea	Added	SR Assigned
NSRAssignedMW	DAPrimaryReserveResultsByArea	Added	NSR Assigned
TotalMW	DAPrimaryReserveResultsByArea	Added	Total
DeficiencyMW	DAPrimaryReserveResultsByArea	Added	Deficiency

XML Examples

```
<QueryRequest>
  <QueryDAPrimaryReserveResults day="yyyy-mm-dd">
    <All/>
    <AreaName>xxx</AreaName>
  </QueryDAPrimaryReserveResults>
</QueryRequest>
```

```
<QueryResponse>
  <DAPrimaryReserveResults day="yyyy-mm-dd">
    <DAPrimaryReserveResultsHourly hour="hh">
      <DAPrimaryReserveResultsByArea>
        <AreaName>xyz</AreaName>
        <RequirementMW>999.9</RequirementMW>
        <SRMCP>999.99</SRMCP>
        <PRMCP>999.99</PRMCP>
        <AvailableTransferMW>999.9</AvailableTransferMW>
        <SRSelfScheduledMW>999.9</SRSelfScheduledMW>
        <SRAssignedMW>999.9</SRAssignedMW>
        <NSRAssignedMW>999.9</NSRAssignedMW>
        <TotalMW>999.9</TotalMW>
        <DeficiencyMW>999.9</DeficiencyMW>
      </DAPrimaryReserveResultsByArea>
    </DAPrimaryReserveResultsHourly>
  </DAPrimaryReserveResults>
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > RT Primary Reserve Results

QueryRTPrimaryReserveResults:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	RTPrimaryReserveResultsByArea	Added	Area
RequirementMW	RTPrimaryReserveResultsByArea	Added	Requirement
AvailableTransferPreliminaryMW	RTPrimaryReserveResultsByArea	Added	Avail. Transfer Preliminary
SRSelfScheduledMW	RTPrimaryReserveResultsByArea	Added	Self Scheduled
SRAssignedPreliminaryMW	RTPrimaryReserveResultsByArea	Added	Assigned Preliminary
NSRAssignedPreliminaryMW	RTPrimaryReserveResultsByArea	Added	NSR Assigned Preliminary
TotalPreliminaryMW	RTPrimaryReserveResultsByArea	Added	Total Preliminary
DeficiencyPreliminaryMW	RTPrimaryReserveResultsByArea	Added	Deficiency Preliminary

XML Examples

```
<QueryRequest>
  <QueryRTPrimaryReserveResults day="yyyy-mm-dd">
    <All/>
    <AreaName>xxx</AreaName>
  </QueryRTPrimaryReserveResults>
</QueryRequest>
```

```
<QueryResponse>
  <RTPrimaryReserveResults day="yyyy-mm-dd">
    <RTPrimaryReserveResultsHourly hour="hh" >
      <RTPrimaryReserveResultsByArea>
        <AreaName>xyz</AreaName>
        <RequirementMW>999.9</RequirementMW>
        <AvailableTransferPreliminaryMW>999.9</AvailableTransferPreliminaryMW>
        <SRSelfScheduledMW>999.9</SRSelfScheduledMW>
        <SRAssignedPreliminaryMW>999.9</SRAssignedPreliminaryMW>
        <NSRAssignedPreliminaryMW>999.9</NSRAssignedPreliminaryMW>
        <TotalPreliminaryMW>999.9</TotalPreliminaryMW>
        <DeficiencyPreliminaryMW>999.9</DeficiencyPreliminaryMW>
      </RTPrimaryReserveResultsByArea>
    </RTPrimaryReserveResultsHourly>
  </RTPrimaryReserveResults>
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > DA 30 Minute Reserve Results

QueryDA30MinuteReserveResults:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	DA30MinuteReserveResultsByArea	Added	Area
RequirementMW	DA30MinuteReserveResultsByArea	Added	Requirement
SRMCP	DA30MinuteReserveResultsByArea	Added	SR MCP
PRMCP	DA30MinuteReserveResultsByArea	Added	PR MCP
ThirtyMinuteMCP	DA30MinuteReserveResultsByArea	Added	30 Minute MCP
AvailableTransferMW	DA30MinuteReserveResultsByArea	Added	Avail. Transfer
SRSelfScheduledMW	DA30MinuteReserveResultsByArea	Added	SR Self Scheduled

SRAssignedMW	DA30MinuteReserveResultsByArea	Added	SR Assigned
NSRAssignedMW	DA30MinuteReserveResultsByArea	Added	NSR Assigned
SecondaryAssignedMW	DA30MinuteReserveResultsByArea	Added	Secondary Assigned
TotalMW	DA30MinuteReserveResultsByArea	Added	Total
DeficiencyMW	DA30MinuteReserveResultsByArea	Added	Deficiency

XML Examples

```
<QueryRequest>
  <QueryDA30MinuteReserveResults day="yyyy-mm-dd">
    <All/>
    <AreaName>xxx</AreaName>
  </QueryDA30Minute ReserveResults>
</QueryRequest>
```

```
<QueryResponse>
<DA30MinuteReserveResults day="yyyy-mm-dd">
  <DA30MinuteReserveResultsHourly hour="hh">
    <DA30MinuteReserveResultsByArea>
      <AreaName>xyz</AreaName>
      <RequirementMW>999.9</RequirementMW>
      <SRMCP>999.99</SRMCP>
      <PRMCP>999.99</PRMCP>
      <ThirtyMinuteMCP>999.99</ThirtyMinuteMCP>
      <AvailableTransferMW>999.9</AvailableTransferMW>
      <SRSelfScheduledMW>999.9</SRSelfScheduledMW>
      <SRAssignedMW>999.9</SRAssignedMW>
      <NSRAssignedMW>999.9</NSRAssignedMW>
      <SecondaryAssignedMW>999.9</SecondaryAssignedMW>
      <TotalMW>999.9</TotalMW>
      <DeficiencyMW>999.9</DeficiencyMW>
    </DA30MinuteReserveResultsByArea >
  </DA30MinuteReserveResultsHourly>
</DA30MinuteReserveResults >
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > RT 30 Minute Reserve Results

QueryRT30MinuteReserveResults:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
AreaName	RT30MinuteReserveResultsByArea	Added	Area
RequirementMW	RT30MinuteReserveResultsByArea	Added	Requirement
AvailableTransferPreliminaryMW	RT30MinuteReserveResultsByArea	Added	Avail. Transfer
SRSelfScheduledMW	RT30MinuteReserveResultsByArea	Added	SR Self Scheduled
SRAssignedPreliminaryMW	RT30MinuteReserveResultsByArea	Added	SR Assigned
NSRAssignedPreliminaryMW	RT30MinuteReserveResultsByArea	Added	NSR Assigned
SecondaryAssignedPreliminaryMW	RT30MinuteReserveResultsByArea	Added	Secondary Assigned
TotalPreliminaryMW	RT30MinuteReserveResultsByArea	Added	Total
DeficiencyPreliminaryMW	RT30MinuteReserveResultsByArea	Added	Deficiency

XML Examples

```
<QueryRequest>
  <QueryRT30MinuteReserveResults day="yyyy-mm-dd">
    <All/>
    <AreaName>xxx</AreaName>
  </QueryRTPrimaryReserveResults>
</QueryRequest>
```

```
<QueryResponse>
<RT30MinuteReserveResults day="yyyy-mm-dd">
  <RT30MinuteReserveResultsHourly hour="hh">
    <RT30MinuteReserveResultsByArea>
      <AreaName>xyz</AreaName>
      <RequirementMW>999.9</RequirementMW>
      <AvailableTransferPreliminaryMW>999.9</AvailableTransferPreliminaryMW>
      <SRSelfScheduledMW>999.9</SRSelfScheduledMW>
      <SRAssignedPreliminaryMW>999.9</SRAssignedPreliminaryMW>
      <NSRAssignedPreliminaryMW>999.9</NSRAssignedPreliminaryMW>
      <SecondaryAssignedPreliminaryMW>999.9</SecondaryAssignedPreliminaryMW>
      <TotalPreliminaryMW>999.9</TotalPreliminaryMW>
      <DeficiencyPreliminaryMW>999.9</DeficiencyPreliminaryMW>
    </RT30MinuteReserveResultsByArea>
  </RT30MinuteReserveResultsHourly>
</RT30MinuteReserveResults>
</QueryResponse>
```

Screen: Public > Market Results Ancillary Services > Active Subzone

QueryActiveSubZone:

SubzoneName	ActiveSubzoneHourly	Added	NSR Assigned
SynchronizedReserve	ActiveSubzoneHourly	Added	Secondary Assigned
PrimaryReserve	ActiveSubzoneHourly	Added	Total
ThirtyMinuteReserve	ActiveSubzoneHourly	Added	Deficiency

XML Examples

```
<QueryRequest>
  <QueryActiveSubzone day="yyyy-mm-dd"/>
</QueryRequest>
```

```
<QueryResponse>
<ActiveSubzoneSet>
  <ActiveSubzone day="2022-03-24">
    <ActiveSubzoneHourly hour="1">
      <SubzoneName>MAD</SubzoneName>
      <SynchronizedReserve>true</SynchronizedReserve>
      <PrimaryReserve>true</PrimaryReserve>
      <ThirtyMinuteReserve>false</ThirtyMinuteReserve>
    </ActiveSubzoneHourly>
  </ActiveSubzone>
</ActiveSubzoneSet>
</QueryResponse>
```

Screen: Bilaterals > Synchronized Reserve Bilaterals

QuerySynchronizedReserveBilaterals:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
Confirmed	BilateralSchedule	Added	Confirmation
BilateralID	BilateralSchedule	Added	ID
Buyer	BilateralSchedule	Added	Buyer
Seller	BilateralSchedule	Added	Seller
MW	BilateralSchedule	Added	MW
StartTime	BilateralSchedule	Added	Start Time
StopTime	BilateralSchedule	Added	Stop Time
ConfirmationTime	BilateralSchedule	Added	Confirmation Time
AreaName	BilateralSchedule	Added	Area

XML Examples

```
<QueryRequest>
  <QuerySynchronizedReserveBilaterals day="yyyy-mm-dd"/>
</QueryRequest>
```



```
<QueryResponse>
  <SynchronizedReserveBilaterals>
    <BilateralSchedule>
      <Confirmed>xxx</Confirmed>
      <BilateralID>xxx</BilateralID>
      <Buyer>xxx</Buyer>
      <Seller>xxx</Seller>
      <MW>xxx</MW>
      <StartTime>xxx</StartTime>
      <StopTime>xxx</StopTime>
      <ConfirmationTime>xxx</ConfirmationTime>
      <AreaName>xxx</AreaName>
    </BilateralSchedule>
  </SynchronizedReserveBilaterals>
</QueryResponse>
```

Screen: Bilaterals > Non-Synchronized Reserve Bilaterals

QueryNonSynchronizedReserveBilaterals:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
Confirmed	BilateralSchedule	Added	Confirmation
BilateralID	BilateralSchedule	Added	ID
Buyer	BilateralSchedule	Added	Buyer
Seller	BilateralSchedule	Added	Seller
MW	BilateralSchedule	Added	MW
StartTime	BilateralSchedule	Added	Start Time
StopTime	BilateralSchedule	Added	Stop Time
ConfirmationTime	BilateralSchedule	Added	Confirmation Time
AreaName	BilateralSchedule	Added	Area

XML Examples

```
<QueryRequest>
  <QueryNonSynchronizedReserveBilaterals day="yyyy-mm-dd"/>
</QueryRequest>
```

```
<QueryResponse>
  <NonSynchronizedReserveBilaterals>
    <BilateralSchedule>
      <Confirmed>xxx</Confirmed>
      <BilateralID>xxx</BilateralID>
      <Buyer>xxx</Buyer>
      <Seller>xxx</Seller>
      <MW>xxx</MW>
      <StartTime>xxx</StartTime>
      <StopTime>xxx</StopTime>
      <ConfirmationTime>xxx</ConfirmationTime>
      <AreaName>xxx</AreaName>
    </BilateralSchedule>
  </NonSynchronizedReserveBilaterals>
</QueryResponse>
```

Screen: Bilaterals > Secondary Reserve Bilaterals

QuerySecondaryReserveBilaterals:

XML Sub-Element Name	Parent Node	Revision Type	Screen Field Name
Confirmed	BilateralSchedule	Added	Confirmation
BilateralID	BilateralSchedule	Added	ID
Buyer	BilateralSchedule	Added	Buyer
Seller	BilateralSchedule	Added	Seller

MW	BilateralSchedule	Added	MW
StartTime	BilateralSchedule	Added	Start Time
StopTime	BilateralSchedule	Added	Stop Time
ConfirmationTime	BilateralSchedule	Added	Confirmation Time
AreaName	BilateralSchedule	Added	Area

XML Examples

```
<QueryRequest>
  <QuerySecondaryReserveBilaterals day="yyyy-mm-dd"/>
</QueryRequest>
```

```
<QueryResponse>
  <SecondaryReserveBilaterals>
    <BilateralSchedule>
      <Confirmed>xxx</Confirmed>
      <BilateralID>xxx</BilateralID>
      <Buyer>xxx</Buyer>
      <Seller>xxx</Seller>
      <MW>xxx</MW>
      <StartTime>xxx</StartTime>
      <StopTime>xxx</StopTime>
      <ConfirmationTime>xxx</ConfirmationTime>
      <AreaName>xxx</AreaName>
    </BilateralSchedule>
  </SecondaryReserveBilaterals>
</QueryResponse>
```

Retired or Renamed Screens

Generator > Unit > Synchronized Reserve Ramp Rates

Generator > Unit > Energy Ramp Rates

(renamed to **Ramp Rates**)

Generator > Unit > Energy Ramp Rate Updates

(renamed to **Ramp Rate Updates**)

Generator > Day-Ahead Scheduling Reserve Market

Generator > Market Results > Regulation & Reserve Award

(renamed to **Regulation Award**)

Generator > Market Results > Results

(renamed to **DA Energy Award**)

Generator > Market Results > Day-Ahead Scheduling Reserve Award

Public > Market Results Ancillary Services > Synchronized Reserve Results

(renamed to **RT Synchronized Reserve Results**)

Public > Market Results Ancillary Services > Primary Reserves

(renamed to **RT Primary Reserves**)

Public > Market Results Ancillary Services > Day-Ahead Scheduling Reserve Results

Public > Reports > Synchronized Reserve Results

(renamed to **RT Synchronized Reserve Results**)

Demand Response > Market Results > Results

(renamed to **DA Energy Award**)

Demand Response > Market Results > Regulation & Reserve Award

(renamed to **Regulation Award**)

Demand Response > Day-Ahead Scheduling Reserve Market

Demand Response > Market Results > Day-Ahead Scheduling Reserve Award

Bilaterals > Day-Ahead Scheduling Reserve Bilaterals

Revised Screens

Screen: Generator > Unit > Hourly Updates

Altered/Added Fields	Revision Type	Applicable To	Comments
Discharge Synch Max	Added	Energy Storage Resources	The Fields will only be present for units that have provided sufficient documentation and were granted permission to submit for Synch Max or Secondary Max.
Charge Synch Max	Added	Energy Storage Resources	
Discharge Secondary Max	Added	Energy Storage Resources	
Charge Secondary Max	Added	Energy Storage Resources	
Flexible	Added	Energy Storage Resources	
Synch Max	Added	Non-Energy Storage Resources	
Secondary Max	Added	Non-Energy Storage Resources	
Area	Added	All Resources	New column will always be present

Old Screen (Non-ESR Resources):

Hour	Emer. Min. (Default)	Emer. Min. (MW)	Econ. Min. (Default)	Econ. Min. (MW)	CIR	Econ. Max. (Default)	Econ. Max. (MW)	Emer. Max. (Default)	Emer. Max. (MW)	Commit Status	Fixed Gen.?
------	----------------------	-----------------	----------------------	-----------------	-----	----------------------	-----------------	----------------------	-----------------	---------------	-------------

New Screen (Non-ESR Resources Not Permitted "Synch Max" OR "Secondary Max"):

Hour	Emer. Min. (Default)	Emer. Min. (MW)	Econ. Min. (Default)	Econ. Min. (MW)	CIR	Econ. Max. (Default)	Econ. Max. (MW)	Emer. Max. (Default)	Emer. Max. (MW)	Commit Status	Fixed Gen.?	Area
------	----------------------	-----------------	----------------------	-----------------	-----	----------------------	-----------------	----------------------	-----------------	---------------	-------------	------

New Screen (Non-ESR Resources Permitted "Synch Max" AND "Secondary Max"):

Hour	Emer. Min. (Default)	Emer. Min. (MW)	Econ. Min. (Default)	Econ. Min. (MW)	CIR	Econ. Max. (Default)	Econ. Max. (MW)	Emer. Max. (Default)	Emer. Max. (MW)	Synch. Max. (MW)	Secondary Max. (MW)	Commit Status	Fixed Gen.?	Area
------	----------------------	-----------------	----------------------	-----------------	-----	----------------------	-----------------	----------------------	-----------------	------------------	---------------------	---------------	-------------	------

Old Screen (ESR Resources):

Hour	Discharge Emer. Min. (Default)	Discharge Emer. Min. (MW)	Discharge Econ. Min. (Default)	Discharge Econ. Min. (MW)	CIR	Discharge Econ. Max. (Default)	Discharge Econ. Max. (MW)	Discharge Emer. Max. (Default)	Discharge Emer. Max. (MW)	Charge Emer. Min. (Default)	Charge Emer. Min. (MW)	Charge Econ. Min. (Default)	Charge Econ. Min. (MW)	Charge Econ. Max. (Default)	Charge Econ. Max. (MW)	Charge Emer. Max. (Default)	Charge Emer. Max. (MW)	Commit Status	Fixed Gen.?	Ancillary Only?
------	--------------------------------	---------------------------	--------------------------------	---------------------------	-----	--------------------------------	---------------------------	--------------------------------	---------------------------	-----------------------------	------------------------	-----------------------------	------------------------	-----------------------------	------------------------	-----------------------------	------------------------	---------------	-------------	-----------------

New Screen (ESR Resources not Permitted "Synch Max" OR "Secondary Max"):

Hour	Discharge Emer. Min. (Default)	Discharge Emer. Min. (MW)	Discharge Econ. Min. (Default)	Discharge Econ. Min. (MW)	CIR	Discharge Econ. Max. (Default)	Discharge Econ. Max. (MW)	Discharge Emer. Max. (Default)	Discharge Emer. Max. (MW)	Charge Emer. Min. (Default)	Charge Emer. Min. (MW)	Charge Econ. Min. (Default)	Charge Econ. Min. (MW)	Charge Econ. Max. (Default)	Charge Econ. Max. (MW)	Charge Emer. Max. (Default)	Charge Emer. Max. (MW)	Commit Status	Fixed Gen.?	Ancillary Only?	Flexible?	Area
------	--------------------------------	---------------------------	--------------------------------	---------------------------	-----	--------------------------------	---------------------------	--------------------------------	---------------------------	-----------------------------	------------------------	-----------------------------	------------------------	-----------------------------	------------------------	-----------------------------	------------------------	---------------	-------------	-----------------	-----------	------

New Screen (ESR Resources Permitted "Synch Max" AND "Secondary Max"):

Hour	Discharge Emer. Min. (Default)	Discharge Emer. Min. (MW)	Discharge Econ. Min. (Default)	Discharge Econ. Min. (MW)	CIR	Discharge Econ. Max. (Default)	Discharge Econ. Max. (MW)	Discharge Emer. Max. (Default)	Discharge Emer. Max. (MW)	Charge Emer. Min. (Default)	Charge Emer. Min. (MW)	Charge Econ. Min. (Default)	Charge Econ. Min. (MW)	Charge Econ. Max. (Default)	Charge Econ. Max. (MW)	Charge Emer. Max. (Default)	Charge Emer. Max. (MW)	Discharge Synch. Max. (MW)	Discharge Secondary Max. (MW)	Charge Synch. Max. (MW)	Charge Secondary Max. (MW)	Commit Status	Fixed Gen.?	Ancillary Only?	Flexible?	Area
------	--------------------------------	---------------------------	--------------------------------	---------------------------	-----	--------------------------------	---------------------------	--------------------------------	---------------------------	-----------------------------	------------------------	-----------------------------	------------------------	-----------------------------	------------------------	-----------------------------	------------------------	----------------------------	-------------------------------	-------------------------	----------------------------	---------------	-------------	-----------------	-----------	------

Screen: Generator > Unit > Detail

Altered/Added Fields	Revision Type	Applicable To	Comments
To Generate Time	Added	All Resources	Added to Condense section
Reserve as Condenser	Added	All Resources	Added to Condense section
Discharge Synch Max	Added	Energy Storage Resources	Added to Miscellaneous section
Charge Synch Max	Added	Energy Storage Resources	Added to Miscellaneous section
Discharge Secondary Max	Added	Energy Storage Resources	Added to Miscellaneous section
Charge Secondary Max	Added	Energy Storage Resources	Added to Miscellaneous section
Flexible Reserve	Added	Energy Storage Resources	Added to Miscellaneous section
Spinning Max	Renamed	Non-Energy Storage Resources	Synch Max
Secondary Max	Added	Non-Energy Storage Resources	Added to Miscellaneous section
AllowPumpingUnitProvideReserve	Added	Hydro Pumped Storage	Added to Miscellaneous section

Old Screen - Miscellaneous Section View (Hydro Pumped Storage):

Miscellaneous

Circulation Self Supply

Spinning Max Use Extended Cold

Reduced Ramp Rate Percent Dual Fuel Capability

Approved Fuel Cost Policy

New Screen - Miscellaneous Section View (Hydro Pumped Storage):

Miscellaneous

Circulation Self Supply

Synch Max Use Extended Cold

Reduced Ramp Rate Percent Dual Fuel Capability

Secondary Max Approved Fuel Cost Policy

Allow Pumping Unit To Provide Reserve

Old Screen - Miscellaneous Section View (Non-Energy Storage Resources):

Miscellaneous

Circulation Self Supply

Spinning Max Use Extended Cold

Reduced Ramp Rate Percent Dual Fuel Capability

Approved Fuel Cost Policy

New Screen - Miscellaneous Section View (Non-Energy Storage Resources):

Miscellaneous

Circulation Self Supply

Synch Max Use Extended Cold

Reduced Ramp Rate Percent Dual Fuel Capability

Secondary Max Approved Fuel Cost Policy

Old Screen - Miscellaneous Section View (Energy Storage Resources):

Miscellaneous

Reduced Ramp Rate Percent Self Supply

Discharge Spinning Max Charge Spinning Max

State Of Charge Min State Of Charge Max

New Screen - Miscellaneous Section View (Energy Storage Resources):

Miscellaneous

Reduced Ramp Rate Percent Self Supply

Discharge Synch Max Charge Synch Max

State Of Charge Min State Of Charge Max

Discharge Secondary Max Charge Secondary Max

Flexible Reserve

Old Screen - Condense Section View:

Condense

Available Startup Cost

Energy Usage To Generation Cost

Notification Time Hourly Cost

New Screen - Condense Section View:

Condense

Available Startup Cost

Energy Usage To Generation Cost

Notification Time Hourly Cost

To Generate Time

Reserve as Condenser

Screen: Generator > Synchronized Reserve Market > Offers

Altered/Added Fields	Revision Type	Applicable To	Comments
Condense Energy Use	Removed	All Resources	Exists in Unit Details screen
Condense Startup Cost	Removed	All Resources	Exists in Unit Details screen
Condense To Generate Cost	Removed	All Resources	Exists in Unit Details screen
Full Heat Rate	Removed	All Resources	Not Used - Dropped
Reduced Heat Rate	Removed	All Resources	Not Used - Dropped
Variable Operating & Maintenance Expense Rate	Removed	All Resources	Not Used - Dropped
Spin as Condenser	Removed	All Resources	Exists in Unit Details screen

Condense Available Status	Removed	All Resources	Exists in Unit Details screen
Flexible	Removed	Energy Storage Resources	Exists in Unit Details screen
Offer MW	Functional	Hydro & Energy Storage Resources	Only Hydro & ESR can modify

Old Screen:

Location	Offer MW	Offer Price	Condense Energy Use	Condense Startup Cost	Condense To Generate Cost	Full Heat Rate	Reduced Heat Rate	Variable Operating & Maintenance Expense Rate	Spin As Condenser	Condense Available Status	Flexible
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New Screen:

Location	Offer MW	Offer Price
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Screen: Generator > Synchronized Reserve Market > Updates

Altered/Added Fields	Revision Type	Applicable To	Comments
Self Scheduled MW	Removed	All Resources	Dropped
Spin Max	Removed	All Resources	Exists in Unit Details screen as Synch Max
Self Scheduled	Added	All Resources	Will show as “-“ or “self scheduled”
Charge Spin Max	Removed	Energy Storage Resources	Exists in Unit Details screen as Charge Synch Max
Flexible	Removed	Energy Storage Resources	Exists in Unit Details screen as Flexible Reserves
Offer MW	Functional	Hydro & Energy Storage Resources	Only Hydro & ESR can modify
Availability	Functional	Hydro & Energy Storage Resources	Only Hydro & ESR can modify

Old Screen:

Hour	Offer MW	Offer Price	Spin Max.	Availability	Self Scheduled MW
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New Screen:

Hour	Offer MW	Offer Price	Self Scheduled	Availability
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Screen: Generator > Dispatch Lambda

Altered/Added Fields	Revision Type	Applicable To	Comments
Tier 1 MW	Removed	All Resources	
Tier 2 MW	Removed	All Resources	
DGPSR	Removed	All Resources	
SR Assignment	Added	All Resources	
SecR Assignment	Added	All Resources	

Old Screen:

Location	Schedule	Schedule Type	Lambda	Gen. MW	Non-Ramp MW	Reg. MW	Deviation MW	Econ. Min.	Econ. Max.	Capacity Max.	Tier 1 MW	Tier 2 MW	DGPSR	On Time	Off Time	Status
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New Screen:

Location	Schedule	Schedule Type	Lambda	Gen. MW	Non-Ramp MW	Reg. MW	Deviation MW	Econ. Min.	Econ. Max.	Capacity Max.	SR Assignment	SecR Assignment	On Time	Off Time	Status
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Screen: Generator > Market Results > Regulation & Reserve Award

Name Changed To: Regulation Award

Altered/Added Fields	Revision Type	Applicable To	Comments
Tier-2 Offer MW	Removed	All Resources	

Tier-1 Est MW	Removed	All Resources	
Tier-2 MW	Removed	All Resources	
Self-Sched MW	Renamed	All Resources	Self-Schedule MW
Reg A MW	Renamed	All Resources	Reg A Awarded MW
Reg D MW	Renamed	All Resources	Reg D Awarded MW
Reg TPS Result	Renamed	All Resources	TPS Result
Actual Hourly Performance	Renamed	All Resources	Performance Score

Old Screen:

Location	Reg A Offer MW	Reg D Offer MW	Tier-2 Offer MW	Self-Sched MW	Tier-1 Est MW	Tier-2 MW	Reg A MW	Reg D MW	Reg TPS Result	Reg Price Offer Used	Actual Hourly Performance
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New Screen:

Location	Reg A Offer MW	Reg D Offer MW	Self-Schedule MW	Reg A Awarded MW	Reg D Awarded MW	TPS Result	Reg Price Offer Used	Performance Score
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Screen: Generator > Market Results > Results

Name Changed To: DA Energy Award

No Column Changes

Old Page:

Generator	Results
Unit	
Schedules	
Dispatch Lambda	
Market Results	

New Page:

Generator	DA Energy Award
Unit	
Schedules	
Dispatch Lambda	
Market Results	

Screen: Public > Market Results Ancillary Services > Synchronized Reserve Results

Name Changed To: RT Synchronized Reserve Results

Altered/Added Fields	Revision Type	Applicable To	Comments
Area	Added	All Resources	
Tier-1 Est Projected	Removed	All Resources	
Avail. Transfer Projected	Renamed	All Resources	Avail. Transfer Preliminary
Tier-2 Req. Projected	Removed	All Resources	
Tier-2 Self-Sched.	Renamed	All Resources	Self Scheduled
Tier-2 Assigned Preliminary	Renamed	All Resources	Assigned Preliminary

Old Screen:

Hour	Requirement	Tier-1 Est. Projected	Avail. Transfer Projected	Tier-2 Req. Projected	Tier-2 Self-Sched.	Tier-2 Assigned Preliminary	Total Preliminary	Deficiency Preliminary
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New Screen:

Hour	Area	Requirement	Avail. Transfer Preliminary	Self Scheduled	Assigned Preliminary	Total Preliminary	Deficiency Preliminary
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Screen: Public > Market Results Ancillary Services > Primary Reserve Results

Name Changed To: RT Primary Reserve Results

Altered/Added Fields	Revision Type	Applicable To	Comments
Area	Added	All Resources	
Tier-1 Est Projected	Removed	All Resources	
Avail. Transfer Projected	Renamed	All Resources	Avail. Transfer Preliminary
Tier-2 Self-Scheduled	Renamed	All Resources	SR Self Scheduled
Tier-2 Assigned Preliminary	Renamed	All Resources	SR Assigned Preliminary
Non-Sync Reserve Est. Projected	Renamed	All Resources	NSR Assigned Preliminary

Old Screen:

Hour	Requirement	Tier-1 Est. Projected	Tier-2 Self-Scheduled	Avail. Transfer Projected	Tier-2 Assigned Preliminary	Non-Sync Reserve Est. Projected	Total Preliminary	Deficiency Preliminary
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New Screen:

Hour	Area	Requirement	Avail. Transfer Preliminary	SR Self Scheduled	SR Assigned Preliminary	NSR Assigned Preliminary	Total Preliminary	Deficiency Preliminary
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Screen: Public > Reports

Altered/Added Fields	Revision Type	Applicable To	Comments
DA Synchronized Reserve Results	Added	All Resources	
Synchronized Reserve Results	Renamed	All Resources	RT Synchronized Reserve Results
DA Primary Reserve Results	Added	All Resources	
RT Primary Reserve Results	Added	All Resources	
DA 30 Minute Reserve Results	Added	All Resources	
RT 30 Minute Reserve Results	Added	All Resources	

Old Screen:

Report Type
<input type="checkbox"/> Binding Limits
<input type="checkbox"/> Demand Summary
<input type="checkbox"/> Interface Limits
<input type="checkbox"/> Market Prices
<input type="checkbox"/> Messages
<input type="checkbox"/> Net Tie Schedule
<input type="checkbox"/> Node List
<input type="checkbox"/> Regulation Results
<input type="checkbox"/> Synchronized Reserve Results

New Screen:

- Report Types
- Messages
 - Node List
 - Demand Summary
 - Market Prices
 - Interface Limits
 - Net Tie Schedules
 - Binding Limits
 - Reliability Analysis Schedule MW
 - Day-Ahead Schedule MW
 - Regulation Results
 - DA Synchronized Reserve Results
 - RT Synchronized Reserve Results
 - DA Primary Reserve Results
 - RT Primary Reserve Results
 - DA 30 Minute Reserve Results
 - RT 30 Minute Reserve Results

Screen: Demand Response > Market Results > Results

Name Changed To: DA Energy Award

Old Screen:

Demand Response
Demand Response
Synchronized Reserve M
Regulation Market
Day-Ahead Scheduling F
Market Results

New Screen:

Demand Response
Demand Response
Market Results
Regulation Market
Synchronized Reserve Market
Secondary Reserve Market
DA Energy Award

Screen: Demand Response > Market Results > Regulation & Reserve Award

Name Changed To: Regulation Award

Altered/Added Fields	Revision Type	Applicable To	Comments
Tier-2 Offer MW	Removed	All Resources	
Tier-2 MW	Removed	All Resources	
Reg A MW	Renamed	All Resources	Reg A Awarded MW
Reg D MW	Renamed	All Resources	Reg D Awarded MW
Reg TPS Result	Renamed	All Resources	TPS Result
Actual Hourly Performance Score	Renamed	All Resources	Performance Score

Old Screen:

Location	Reg A Offer MW	Reg D Offer MW	Tier-2 Offer MW	Self Schedule MW	Tier-2 MW	Reg A MW	Reg D MW	Reg TPS Result	Reg Offer Price Used	Actual Hourly Performance Score
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New Screen:

Location	Reg A Offer MW	Reg D Offer MW	Self-Schedule MW	Reg A Awarded MW	Reg D Awarded MW	TPS Result	Reg Price Offer Used	Performance Score
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Screen: Demand Response > Demand Response > Parameters

Altered/Added Fields	Revision Type	Applicable To	Comments
Flexible Reserve	Added	Load Response Resources	Flexible Reserve capable units only

Old Screen:

Parameters

Period 1 Shutdown Cost (\$) Period 2 Shutdown Cost (\$)
 Minimum Downtime Limit Notification Time (Hour)

New Screen (Miscellaneous Section View - Flexible Reserve capable):

Parameters

Period 1 Shutdown Cost (\$) Period 2 Shutdown Cost (\$)
 Minimum Downtime Limit Notification Time (Hour)

Miscellaneous

Flexible Reserve

Screen: Demand Response > Synchronized Reserve Market > Offers

Altered/Added Fields	Revision Type	Applicable To	Comments
Available Status	Renamed	Load Response Resources	Availability
Flexible	Removed	Load Response Resources	

Old Screen:

Location Offer MW Offer Price Available Status Flexible

New Screen:

Location Offer MW Offer Price Availability

Screen: Demand Response > Synchronized Reserve Market > Updates

Altered/Added Fields	Revision Type	Applicable To	Comments
Self Scheduled MW	Renamed	Load Response Resources	Self Scheduled (“-“ or “self schedule”) no longer a MW value.
Available Status	Renamed	Load Response Resources	Availability

Old Screen

Hour Offer MW Offer Price Self Scheduled MW Available Status

New Screen

Hour Offer MW Offer Price Self Scheduled Availability

Screen: Bilaterals > Regulation Bilaterals

Altered/Added Fields	Revision Type	Applicable To	Comments
Area	Removed	All Regulation Bilaterals	

Old Screen

Regulation Bilaterals Synchronized Reserve Bilaterals Non-Synchronized Reserve Bilaterals Day-Ahead Scheduling Reserve Bilaterals

Confirmation Confirmation Time ID Buyer Seller MW Start Time Stop Time Area

New Screen

Regulation Bilaterals Synchronized Reserve Bilaterals Non-Synchronized Reserve Bilaterals Secondary Reserve Bilaterals

Confirmation Confirmation Time ID Buyer Seller MW Start Time Stop Time

Screen: Bilaterals > Synchronized Reserve Bilaterals

Altered/Added Fields	Revision Type	Applicable To	Comments
%	Removed	All Regulation Bilaterals	
Sub-Zone	Removed	All Regulation Bilaterals	

Old Screen

Regulation Bilaterals	Synchronized Reserve Bilaterals	Non-Synchronized Reserve Bilaterals	Day-Ahead Scheduling Reserve Bilaterals								
<input type="checkbox"/>	Confirmation	Confirmation Time	ID ^	Buyer	Seller	MW	%	Start Date Hour	Stop Date Hour	Area	Sub-Zone

New Screen

Regulation Bilaterals	Synchronized Reserve Bilaterals	Non-Synchronized Reserve Bilaterals	Secondary Reserve Bilaterals						
<input type="checkbox"/>	Confirmation	Confirmation Time	ID ^	Buyer	Seller	MW	Start Time	Stop Time	Area

New Screens

Screen: Generator > Non-Synchronized Reserve Market > Offers

Fields
Location
Offer MW

New Screen:

Location	Offer MW
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Screen: Generator > Non-Synchronized Reserve Market > Updates

Fields
Hour
Offer MW
Availability

New Screen:

Hour	Offer MW	Availability
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Screen: Generator > Secondary Reserve Market > Offers

Fields
Location
Offer MW

New Screen:

Location	Offer MW
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Screen: Generator > Secondary Reserve Market > Updates

Fields
Hour
Offer MW
Availability

New Screen:

Hour	Offer MW	Availability
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Screen: Generator > Market Results > DA Synchronized Reserve Award

Fields
Location
Area
Offer MW
Self-Scheduled MW
Awarded MW

New Screen:

Location	Area	Offer MW	Self-Scheduled MW	Awarded MW
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Screen: Generator > Market Results > RT Synchronized Reserve Award

Fields

Location
Area
Offer MW
Self-Scheduled MW
Awarded MW

New Screen:

Location ▲	Area	Offer MW	Self-Scheduled MW	Awarded MW
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Screen: Generator > Market Results > DA Non-Synchronized Reserve Award

Fields
Location
Area
Offer MW
Awarded MW

New Screen:

Location ▲	Area	Offer MW	Awarded MW
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Screen: Generator > Market Results > DA Secondary Reserve Award

Fields
Location
Area
Offer MW
Awarded MW

New Screen:

Location ▲	Area	Offer MW	Awarded MW
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Screen: Generator > Market Results > RT Secondary Reserve Award

Fields
Location
Area
Offer MW
Awarded MW

New Screen:

Location ▲	Area	Offer MW	Awarded MW
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Screen: Public > Market Results Ancillary Services > DA Synchronized Reserve Results

Fields
Hour
Area
Requirement
SR MCP
Avail. Transfer
Self Scheduled
Assigned
Total

Deficiency

New Screen:

Hour	Area	Requirement	SR MCP	Avail. Transfer	Self Scheduled	Assigned	Total	Deficiency
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Screen: Public > Market Results Ancillary Services > DA Primary Reserve Results

Fields
Hour
Area
Requirement
SR MCP
PR MCP
Avail. Transfer
SR Self Scheduled
SR Assigned
NSR Assigned
Total
Deficiency

New Screen:

Hour	Area	Requirement	SR MCP	PR MCP	Avail. Transfer	SR Self Scheduled	SR Assigned	NSR Assigned	Total	Deficiency
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Screen: Public > Market Results Ancillary Services > DA 30 Minute Reserve Results

Fields
Hour
Area
Requirement
SR MCP
PR MCP
30 Minute MCP
Avail. Transfer
SR Self Scheduled
SR Assigned
NSR Assigned
Secondary Assigned
Total
Deficiency

New Screen:

Hour	Area	Requirement	SR MCP	PR MCP	30 Minute MCP	Avail. Transfer	SR Self Scheduled	SR Assigned	NSR Assigned	Secondary Assigned	Total	Deficiency
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Screen: Public > Market Results Ancillary Services > RT 30 Minute Reserve Results

Fields
Hour
Area
Requirement
Avail. Transfer Preliminary
SR Self Scheduled
SR Assigned Preliminary

NSR Assigned Preliminary
Secondary Assigned Preliminary
Total Preliminary
Deficiency Preliminary

New Screen:

Hour ▲	Area	Requirement	Avail. Transfer Preliminary	SR Self Scheduled	SR Assigned Preliminary	NSR Assigned Preliminary	Secondary Assigned Preliminary	Total Preliminary	Deficiency Preliminary
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Screen: Demand Response > Secondary Reserve Market > Offers

Fields
Location
Offer MW
Availability

New Screen:

Location ▲	Offer MW	Availability
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Screen: Demand Response > Secondary Reserve Market > Updates

Fields
Hour
Offer MW
Availability

New Screen:

Hour ▲	Offer MW	Availability
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Screen: Demand Response > Market Results > DA Secondary Reserve Award

Fields
Location
Area
Offer MW
Awarded MW

New Screen:

Location ▲	Area	Offer MW	Awarded MW
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Screen: Demand Response > Market Results > RT Secondary Reserve Award

Fields
Location
Area
Offer MW
Awarded MW

New Screen:

Location ▲	Area	Offer MW	Awarded MW
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Screen: Demand Response > Market Results > DA Synchronized Reserve Award

Fields
Location

Area
Offer MW
Self-Scheduled MW
Awarded MW

New Screen:

Location	Area	Offer MW	Self-Scheduled MW	Awarded MW
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Screen: Demand Response > Market Results > RT Synchronized Reserve Award

Fields
Location
Area
Offer MW
Self-Scheduled MW
Awarded MW

New Screen:

Location	Area	Offer MW	Self-Scheduled MW	Awarded MW
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Screen: Public > Market Results Ancillary > Active Subzone

Fields
Location
Active Subzone
SR
PR
30MIN

New Screen:

Hour	Active Subzone	SR	PR	30MIN
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Screen: Bilaterals > Secondary Reserve Bilaterals

Fields
Confirmation
ID
Buyer
Seller
MW
Start Time
Stop Time
Confirmation Time
Area

New Screen:

Regulation Bilaterals	Synchronized Reserve Bilaterals	Non-Synchronized Reserve Bilaterals	Secondary Reserve Bilaterals					
Confirmation	Confirmation Time	ID	Buyer	Seller	MW	Start Time	Stop Time	Area