

CRSS to CRRIM Methods

Management action scenarios are developed in the Colorado River Simulation System (CRSS) and CRSS outputs are then processed into CRRIM user groups. CRRIM currently utilizes three CRSS object types: depletion shortage, depletion requested, and hydropower energy.

Depletion Shortage

To assess the economic exposure of each water user group, depletion shortages data are aggregated across all applicable CRSS objects for each user group. Scenarios that include hydrologic shortages in the Lower Basin are post-processed so that those shortages are not attributed to specific water users, but rather to a generalized Lower Basin hydrologic shortage summary, in recognition of the complex administrative issues that would accompany such shortages. Water users that include the hydrologic shortage issues are identified in Table 1.

Depletion Requested

The municipal surcharges are based on the actual water delivered to each municipal user group. Delivery requested CRSS objects are aggregated across all applicable CRSS objects by water user group (Table 1).

Table 1: Summary of the Water User Groups and the CRSS object type.

CRRIM User Group	Depletion Shortage	Subtract Hydrologic Shortage	Depletion Requested
Arizona - CAP	Yes	Yes	Yes
Arizona Post-1968 AG	Yes	Yes	
Arizona Post-1968 M&I	Yes	Yes	Yes
Arizona Pre-1968 AG	Yes	Yes	
Arizona Pre-1968 M&I	Yes	Yes	Yes
California - CVWD	Yes	Yes	
California - CVWD M&I	Yes	Yes	Yes
California - IID AG	Yes	Yes	
California - IID M&I	Yes	Yes	Yes
California - MWD	Yes	Yes	Yes
California Mainstem AG	Yes	Yes	
California PVID AG	Yes	Yes	
Colorado - Front Range M&I	Yes		Yes
Colorado AG	Yes		
Nevada - SNWA	Yes		Yes
New Mexico AG	Yes		
New Mexico M&I	Yes		Yes
Utah AG	Yes		
Utah M&I	Yes		Yes
Wyoming AG	Yes		
Wyoming M&I	Yes		Yes

Hydropower Energy

The hydropower surcharges are based on the actual generation at each hydropower facility. Energy CRSS objects are aggregated across all applicable CRSS objects, outlined below for each user group.

The following is a detailed documentation of the CRSS objects aggregated into each user group including any additional processing.

Arizona – CAP

Step 1: Aggregate all CAP shortage data

CRSS Object Name

CAPDiversion:CAPDiversionAG
 CAPDiversion:CAPDiversionMandI
 CAPMinDiversion:AkChinTribe
 CAPMinDiversion:SaltRiverTribe
 NavajoLittleCO:NavajoLittleCOClaims

Step 2: Process CRSS shortages through CAP Breakout Model

NOTE: Data with grey highlighting is static and can be found in Table 2.

CAP Delivery = CAP Demand Schedule – CAP Shortage

CAP Remaining Supply=IF(CAPDelivery-75000>0, CAP Delivery -75000,0)

Actual Available for CAP Subcontract Pool= IF(YEAR<2044, IF(CAP Remaining Supply>=981902, Indian CAP Subcontract Pool Buildout Schedule, IF(CAP Remaining Supply <=853079,(CAP Remaining Supply *0.3637518),((32770/128823)* CAP Remaining Supply +343079-(32770/128823)*981902))), IF(CAP Remaining Supply >=1029205, Indian CAP Subcontract Pool Buildout Schedule, IF(CAP Remaining Supply <853079,(CAP Remaining Supply *0.3637518),((32770/176126)* CAP Remaining Supply +343079-(32770/176126)*1029205))))

Adjusted Available Indian CAP Subcontract Pool =IF(Actual Available for CAP Subcontract Pool >Indian CAP Subcontract Pool Buildout Schedule , Indian CAP Subcontract Pool Buildout Schedule, Actual Available for CAP Subcontract Pool)

Indian CAP Subcontract Pool Shortage = Indian CAP Subcontract Pool Buildout Schedule - Adjusted Available Indian CAP Subcontract Pool

Tribal Lessee Shortage (M&I Shortage) = Indian CAP Subcontract Pool Shortage *(Tribal Lease Schedule/ Indian CAP Subcontract Pool Buildout Schedule)

On-Reservation Shortage (Ag Shortage) = Indian CAP Subcontract Pool Shortage - Tribal Lessee Shortage (M&I Shortage)

Available for M&I CAP Subcontract Pool = Remaining CAP Supply - Adjusted Available Indian CAP Subcontract Pool

Actual Available for M&I CAP Subcontract Pool =IF(Available for M&I CAP Subcontract Pool >= M&I CAP Subcontract Pool Schedule, M&I CAP Subcontract Pool Schedule, Available for M&I CAP Subcontract Pool)

M&I CAP Subcontract Pool Shortage Amount (M&I Shortage) = M&I CAP Subcontract Pool Schedule - Actual Available for M&I CAP Subcontract Pool

Available for NIA CAP Pool = Available for M&I CAP Subcontract Pool - Actual Available for M&I CAP Subcontract Pool

Actual Available for NIA Pool = IF(Available for NIA CAP Pool >= NIA Priority Pool Schedule, NIA Priority Pool Schedule, Available for NIA CAP Pool)

NIA Priority Pool Shortage = IF(NIA Priority Pool Schedule - Actual Available for NIA Pool > 0, NIA Priority Pool Schedule - Actual Available for NIA Pool, 0)

M&I NIA Shortage (M&I Shortage) = NIA Priority Pool Shortage * (1 - Tribal Component of NIA)

Indian NIA Shortage (Ag Shortage) = NIA Priority Pool Shortage - M&I NIA Shortage (M&I Shortage)

Excess Pool (below NIA priority) = Available for NIA CAP Pool - Actual Available for NIA Pool

Actual Available for Agricultural Pool Users = IF(Excess Pool (below NIA priority) > CAP Agricultural Pool Schedule, CAP Agricultural Pool Schedule, Excess Pool (below NIA priority))

Agricultural Pool Shortage Amount (Groundwater Impact) = IF(CAP Agricultural Pool Schedule - Actual Available for Agricultural Pool Users > 0, CAP Agricultural Pool Schedule - Actual Available for Agricultural Pool Users, 0)

Remaining CAP Excess Pool = IF(Excess Pool (below NIA priority) - Actual Available for Agricultural Pool Users > 0, Excess Pool (below NIA priority) - Actual Available for Agricultural Pool Users, 0)

Additional Priority 3 Shortage Amount (assuming no CAP delivery if Priority 3 doesn't exceed evaporation) = IF(CAP Remaining Supply < 68400, IF(CAP Remaining Supply > 0, 68400 - CAP Remaining Supply, 68400), 0)

Indian Priority 3 Shortage (Ag Shortage) = Additional Priority 3 Shortage Amount (assuming no CAP delivery if Priority 3 doesn't exceed evaporation) * (47500/68400)

M&I Priority 3 Shortage ((M&I Shortage) = Additional Priority 3 Shortage Amount (assuming no CAP delivery if Priority 3 doesn't exceed evaporation) - Indian Priority 3 Shortage (Ag Shortage)

CAP Tribal Agricultural Shortage = On-Reservation Shortage (Ag Shortage) + Indian NIA Shortage (Ag Shortage) + Indian Priority 3 Shortage (Ag Shortage)

CAP Agricultural Shortage = MAX(Agricultural Pool Shortage Amount (Groundwater Impact) - Remaining CAP Excess Pool, 0)

TOTAL CAP Agricultural Shortage = CAP Tribal Agricultural Shortage + CAP Agricultural Shortage

Total CAP M&I Shortage = Tribal Lessee Shortage (M&I Shortage) + M&I CAP Subcontract Pool Shortage Amount (M&I Shortage) + M&I NIA Shortage (M&I Shortage) + M&I Priority 3 Shortage ((M&I Shortage)

Table 2: Data Inputs for CAP Breakout Model						
Year	CAP Demand	Indian CAP Subcontract Pool Buildout Schedule	Tribal Lease Schedule	M&I CAP Subcontract Pool Schedule	NIA Priority Pool Schedule	CAP Agricultural Pool Schedule
2018	1398208	333904	170080	515442	121702	300000
2019	1397295	334821	170080	518191	127702	300000
2020	1390804	335739	170080	528121	161801	300000
2021	1389668	336656	170080	537102	167801	300000
2022	1388547	337574	170080	544403	173801	300000
2023	1387444	338491	170080	551709	179801	300000
2024	1386355	339409	170080	559011	185801	225000
2025	1385284	340326	170080	566270	215921	225000
2026	1384230	341244	170080	573541	246041	225000
2027	1383194	342161	170080	580807	276161	225000
2028	1382176	343079	170080	588073	306281	225000
2029	1381178	343079	170080	595345	331401	225000
2030	1380295	343079	170080	602611	360499	225000
2031	1379586	343079	170080	609853	361499	0
2032	1378888	343079	170080	617096	362499	0
2033	1378204	343079	170080	624338	363499	0
2034	1377532	343079	170080	631581	364699	0
2035	1376875	343079	170080	638823	364699	0
2036	1376233	343079	170080	638823	364699	0
2037	1375604	343079	170080	638823	364699	0
2038	1374986	343079	170080	638823	364699	0
2039	1374382	343079	170080	638823	364699	0
2040	1373787	343079	170080	638823	364699	0
2041	1373202	343079	170080	638823	364699	0
2042	1372624	343079	170080	638823	364699	0
2043	1372054	343079	170080	638823	364699	0
2044	1371489	343079	170080	686126	317395	0
2045	1370929	343079	170080	686126	317395	0
2046	1370370	343079	170080	686126	317395	0
2047	1369818	343079	170080	686126	317395	0
2048	1369265	343079	170080	686126	317395	0
2049	1368718	343079	170080	686126	317395	0
2050	1368412	343079	170080	686126	317395	0
2051	1368103	343079	170080	686126	317395	0
2052	1367790	343079	170080	686126	317396	0
2053	1367476	343079	170080	686126	317397	0
2054	1367158	343079	170080	686126	317398	0
2055	1366838	343079	170080	686126	317399	0
2056	1366515	343079	170080	686126	317400	0
2057	1366190	343079	170080	686126	317401	0
2058	1365862	343079	170080	686126	317402	0
2059	1365534	343079	170080	686126	317403	0
2060	1365206	343079	170080	686126	317404	0

Total Annual CAP Ag and M&I Shortage are then multiplied by the monthly percentages in Table 3 to convert annual shortages back to monthly shortages.

Table 3: CAP Monthly Deliveries	
Jan	11%
Feb	10%
Mar	9%
Apr	9%
May	6%
Jun	6%
Jul	6%
Aug	6%
Sep	6%
Oct	10%
Nov	11%
Dec	10%

Arizona Post-1968 AG

CRSS Object Name

- ArizonaPumpersPriority4:AzStateLandDeptAg
- ArizonaPumpersPriority4:BeattieFarmsSouthwest
- ArizonaPumpersPriority4:CurtisArmon
- ArizonaPumpersPriority4:CurtisFamilyTrust
- ArizonaPumpersPriority4:JessenFamilyLTD
- ArizonaPumpersPriority4:Ogram
- ArizonaPumpersPriority4:OgramBoysEnterprises
- ArizonaPumpersPriority4:OtherPumpers
- ArizonaPumpersPriority4:PasquinelliGaryAndBarbara
- ArizonaPumpersPriority4:PeachJohn
- ArizonaPumpersPriority4:PhillipsMiltonAndJean
- CibolaValleyIDDPriority4:AZGameAndFishCom
- CibolaValleyIDDPriority4:AZRecreationalFac
- CibolaValleyIDDPriority4:CibolaValleyIDD
- GilaAndYumaUsersPriority4:CocopahIndRes
- GilaAndYumaUsersPriority4:GilaMonsterFarms
- MohaveValleyIDDPriority4:MohaveValleyIDDagPortion
- ParkerAndOtherUsersPriority4:HopiTribe
- ParkerAndOtherUsersPriority4:NorthBajaLLC
- ParkerAndOtherUsersPriority4:RaynerRanches

Arizona Post-1968 M&I

CRSS Object Name

ArizonaPumpersPriority4:Somerton
IndianWaterRightsSettlementsPriority4:IndianWaterRightsSettlementsPriority4
LakeHavasuCityAndOtherUsersPriority4:AzAmericanWaterCo
LakeHavasuCityAndOtherUsersPriority4:AzStateLandDeptMI
LakeHavasuCityAndOtherUsersPriority4:AzStateParksContactPoint
LakeHavasuCityAndOtherUsersPriority4:AzStateParksWindsorBeach
LakeHavasuCityAndOtherUsersPriority4:BullheadCity
LakeHavasuCityAndOtherUsersPriority4:BureauLandMgmt
LakeHavasuCityAndOtherUsersPriority4:CrystalBeachWCD
LakeHavasuCityAndOtherUsersPriority4:GoldenShoresWCD
LakeHavasuCityAndOtherUsersPriority4:LakeHavasuCity
LakeHavasuCityAndOtherUsersPriority4:MohaveCountyWA
LakeHavasuCityAndOtherUsersPriority4:MohaveWaterConsDist
LakeHavasuCityAndOtherUsersPriority4:SpringsDelSol
LakeHavasuCityAndOtherUsersPriority4:UnallocatedPriority4
MarbleCanyonCompanyPriority4:MarbleCanyonCompany
MarbleCanyonCompanyPriority4:McAlisterMaurice
MohaveValleyIDDPriority4:MohaveValleyIDDMandIPortion
ParkerAndOtherUsersPriority4:BFInvestments
ParkerAndOtherUsersPriority4:BrookeWaterLLC
ParkerAndOtherUsersPriority4:EhrenbergImprAssn
ParkerAndOtherUsersPriority4:FisherLanding
ParkerAndOtherUsersPriority4:HillcrestWaterCo
ParkerAndOtherUsersPriority4:LaPazCounty
ParkerAndOtherUsersPriority4:MartinezLakeSites
ParkerAndOtherUsersPriority4:Parker
ParkerAndOtherUsersPriority4:Quartzsite
ParkerAndOtherUsersPriority4:ShepardWaterCo

Arizona Pre-1968 AG

CRSS Object Name

ArizonaMiscUses:NavajolIrrigation
ArizonaPumpersPriority1:PhillipsMiltonAndJean
ColoradoRiverIndianReservation:CRIR AZ
FtMohaveReservation:Fort Mohave Ind Res AZ
FtYumaReservationPriority1:FtYumaReservation
GilaAndYumaUsersPriority1:CocopahIndRes
GilaAndYumaUsersPriority1:GilaMonsterFarms
GilaAndYumaUsersPriority1:Molina
GilaAndYumaUsersPriority1:Powers
GilaAndYumaUsersPriority2and3:AlecCamille
GilaAndYumaUsersPriority2and3:GilaMonsterFarms
GilaGravityMainCanalPriority1:NorthGilaValleyIDD
GilaGravityMainCanalPriority1:UnitBIDD
GilaGravityMainCanalPriority1:YumaAreaOffice
GilaGravityMainCanalPriority1:YumaCountyWUA
GilaGravityMainCanalPriority2and3:NorthGilaValleyIDD
GilaGravityMainCanalPriority2and3:UnitBIDD
GilaGravityMainCanalPriority2and3:UnivOfArizona
GilaGravityMainCanalPriority2and3:WelltonMohawkIDD
GilaGravityMainCanalPriority2and3:YumaCountyWUA
GilaGravityMainCanalPriority2and3:YumaIrrDist
GilaGravityMainCanalPriority2and3:YumaMesaFruitGrowersAssn
GilaGravityMainCanalPriority2and3:YumaMesaIDD
MohaveValleyIDDPriority1:MohaveValleyIDD

Arizona Pre-1968 M&I

CRSS Object Name

ArizonaMiscUses:CityOfPage
ArizonaMiscUses:GlenCanyonNRA
ArizonaMiscUses:LeChee
ArizonaMiscUses:NavajoPowerPlant
ArizonaMiscUses:OtherMiscellaneousTribal
ArizonaMiscUses:Reservoirs
CibolaAndImperialNWR:Cibola NWR
CibolaAndImperialNWR:Imperial NWR AZ
GilaAndYumaUsersPriority2and3:DesertLawnMemorialPark
GilaAndYumaUsersPriority2and3:UnionPacificCo
GilaGravityMainCanalPriority1:CityOfYuma
GilaGravityMainCanalPriority2and3:ArmyYumaProvingGround
GilaGravityMainCanalPriority2and3:CityOfYuma
GilaGravityMainCanalPriority2and3:NavyMarineCorpsYumaAirStation
GilaGravityMainCanalPriority2and3:YumaUnionHighSchool
HavasunWRArizonaPriority2and3:HavasunWR AZ
LakeMeadNRAPriority2and3:LakeMeadNRA
LowerCoRivDamProjectPriority2and3:LowerCoRivDamProject
ParkerAndOtherUsersPriority1:BrookeWaterLLC
ParkerAndOtherUsersPriority1:Parker

California – CVWD

CRSS Object Name

CoachellaDiversion:CoachellaDiversionAG

California - CVWD M&I

CRSS Object Name

CoachellaDiversion:CoachellaDiversionMandI

California - IID AG

CRSS Object Name

IIDDiversion:IIDDiversionAG

California - IID M&I

CRSS Object Name

IIDDiversion:IIDDiversionMandI

California – MWD

CRSS Object Name

MWDDiversion:MWDDiversion

California Mainstem AG

CRSS Object Name

AllAmericanCanalYumaProj:Bard Unit
AllAmericanCanalYumaProj:Quechan Res Unit
ChemehueviReservation:Chemehuevi Ind Res
ColoradoRiverIndianReservation:CRIR CA
FtMohaveReservation:Fort Mohave Ind Res CA
OtherPumpersAboveNIB:OtherPumpersAboveNIB
AllAmericanCanalYumaProj:Bard Unit
AllAmericanCanalYumaProj:Quechan Res Unit
ChemehueviReservation:Chemehuevi Ind Res
ColoradoRiverIndianReservation:CRIR CA
FtMohaveReservation:Fort Mohave Ind Res CA
OtherPumpersAboveNIB:OtherPumpersAboveNIB

California PVID AG

CRSS Object Name

PVIDDiversions:PVIDDiversionsAG

Colorado - Front Range M&I

CRSS Object Name

ExportsAboveGlenwoodSprings:1971CompStudyExports
ExportsAboveGlenwoodSprings:ExportsPotential
ExportsFromRoaringForkRiver:ExportsPotential
MiscUsesBelowFontenelle:COExportPotential
ExportsAboveGlenwoodSprings:1971CompStudyExports
ExportsAboveGlenwoodSprings:ExportsPotential
ExportsFromRoaringForkRiver:ExportsPotential
MiscUsesBelowFontenelle:COExportPotential

Colorado AG**CRSS Object Name**

AgAndMIAbvGlenwoodSprings:1971CompStudyAg
 AgAndMIAbvGlenwoodSprings:AgMiscellaneous
 AgricultureAboveCameo:1971CompStudyAgricultureAbvCameo
 AgricultureAboveCameo:AgUsePotential
 AgricultureAboveCameo:RifleGapSilt
 AgricultureAboveCameo:WestDivideAgriculture
 AgricultureAndMIAbvGrandJunction:1971CompStudyAg
 AgricultureAndMIAbvGrandJunction:AgMiscellaneous
 AgUsesAboveMaybell:1971CompStudyAgUsesAbvMaybell
 AgUsesAboveMaybell:AgMiscellaneous
 AgUsesAboveMaybell:StagecoachYamcoloAg
 ColoradoAg:1971CompStudyAgCo
 ColoradoAg:WhiteAgMiscellaneous
 ColoradoAgriculture:AgMiscellaneous
 ColoradoAgriculture:AgPotential
 ColoradoAgriculture:AnimasLaPlataAg
 ColoradoNewMexAgAbvArch:CONonIndian
 ColoradoNewMexAgAbvArch:COSoUte
 ColoradoUsesBelowShiprockNM:CoAgUteMtnUte
 ColoradoUsesOnLittleSnakeR:1971CompStudyAgLittleSnakeColo
 ColoradoUsesOnLittleSnakeR:SaveryPotHookColo
 DallasCreekProjectAg:DallasCreekProjectAg
 DallasCreekProjectAg:PotentialDepleteFruitlandMesa
 DoloresAgUsesAbvCisco:ColoradoAg
 ExportsAboveGlenwoodSprings:ExportsAnticipated
 ExportsFromRoaringForkRiver:ExportsAnticip
 IntrabasinExportAndDoloresProject:CONonIndian
 IntrabasinExportAndDoloresProject:DoloresProjectExport
 IntrabasinExportAndDoloresProject:PLMVICExport
 IntrabasinExportAndDoloresProject:UteMtnUteAg
 JuniorAgUsesBelowCameo:JuniorAg
 PresentLevelUsesAboveBlueMesa:1971CompStudyAg
 PresentLevelUsesAboveBlueMesa:Bostwick
 SanMiguelProjectAg:AgUsePotential
 SanMiguelProjectAg:SanMiguelProjectAg
 SeniorAgUsesBelowCameo:1971CompStudyAg
 TunnelDiversionBelowCrystalForAg:1971CompStudyAg

Nevada - SNWA**CRSS Object Name**

LaughlinMI:LaughlinAreaNevadaMI
 SNWPDiversion:SNWPDiversion

New Mexico AG

CRSS Object Name

AnimasRiverAg:EchoDitch
AnimasRiverAg:FarmersMutual
AnimasRiverAg:FarmingtonGlade
AnimasRiverAg:Other
BelowFourCorners:TributaryIrrigation
ColoradoNewMexAgAbvArch:NMNavajo
ColoradoNewMexAgAbvArch:NMNonIndian
LaPlataRiverAg:DivertAbvStateline
LaPlataRiverAg:Other
LaPlataRiverAg:TributaryStockUses
NavajoIndianIrrigationProjectNIIPandExports:NIIP
NewMexicoAgFarmToShip:JewettValley
NewMexicoAgFarmToShip:NavajoTributaryIrrigation
NewMexicoAgFarmToShip:NMAgFruitland
NewMexicoAgFarmToShip:NMHogbackCudei
NewMexicoAgFarmToShip:TributaryIrrigation
NewMexicoAgricultureArchToFarm:HammondIrrigation
NewMexicoAgricultureArchToFarm:NMNavajoSJClaims
NewMexicoAgricultureArchToFarm:OtherIrrigation
SanJuanChamaExport:JCPIrrigation

New Mexico M&I

CRSS Object Name

SanJuanChamaExport:JCPIndian
SanJuanChamaExport:JCPOther

Utah AG**CRSS Object Name**

AgAboveRandlette:AgUteCurr
AgAboveRandlette:NonIndian
AgUsesAboveGreenRUT:NonIndian
AgUsesAboveGreenRUT:UteIndianCompactGreen
DoloresAgUsesAbvCisco:UtahAg
GreendaleUTAgandMIUses:CurrentUTAg
SanJuanUtahUses:UtahAgAnticipated
SanJuanUtahUses:UtahAgricultureCurr
SanRafaelAg:EmeryCountyNew
SanRafaelAg:EmeryCountyProject
SanRafaelAg:SanRafaelAgricultureCurr
SanRafaelAg:SevierRiverExport
UpalcoUintaBonnUtes:NewIndianLandsUte
UpalcoUintaBonnUtes:NonIndian
UpalcoUintaBonnUtes:UintaProject
UpalcoUintaBonnUtes:UpalcoProjectAg
UsesBetGreendaleAndOuray:JensenAreaAg
UsesBetGreendaleAndOuray:NonIndian
UsesBetGreendaleAndOuray:UseBtwnGreendaleAndOuray
UsesBetGreendaleAndOuray:UteUseSince1965
UtahAgAnticipatedDepletion:UtahAgCurr
UtahAgUses:NonIndian
UtahAgUses:UteIndianCompactWhite
UtahUsesAboveGreenRiverConfluence:UtahAgDNRProjects
UTSJbelowBluff:UTNavajoClaims
WhiteUTAgandMIUses:CurrentUTAg

Utah M&I**CRSS Object Name**

DuchesneRiverExports:BonnevilleCupExport
DuchesneRiverExports:ExportsCurr
DuchesneRiverExports:ProvoRiverProjectAnticip
PriceRiverExport:GooseberryExport
PriceRiverExport:PriceRiverExportCurr
UtahAgAnticipatedDepletion:CedarCityLakePowellPipeline

Wyoming AG

CRSS Object Name

AgUsesAboveFontenelle:AgAbvFontenellePL
AgUsesAboveFontenelle:AgAnticip
AgUsesAboveGreendale:AgUsesAbvGreendaleCurr
AgUsesAboveGreendale:AgUsesAnticip
AgUsesAboveGreenRiverWy:AgUsesAnticip
AgUsesAboveGreenRiverWy:AgUsesBelowFontenelleCurr
LymanAreaAg:LymanAreaAgLymanProj
WyUsesOnLittleSnakeR:FutureAgUse
WyUsesOnLittleSnakeR:WYUsesLittleSnakeAgCurr

Wyoming M&I

CRSS Object Name

LittleSnakeRExports:ExportToCheyenneAnticip
LittleSnakeRExports:ExportToCheyenneCurr

CRSP Hydropower

CRSS Object Name

Fontenelle:Enrgy
FlamingGorge:Enrgy
BlueMesa:Enrgy
MorrowPoint:Enrgy
Crystal:Enrgy
Powell:Enrgy

Hoover Hydropower

CRSS Object Name

Mead:Enrgy

Lower Colorado Hydropower

CRSS Object Name

Havas:Enrgy
Mohave:Enrgy