

Function: DeliveryToEIVadoNeededForPendingLeaseToReclamationAndC

Return Type: NUMERIC

Arguments: (STRING account)

Description:

```

WITH NUMERIC leaseVolume = IF @ "t"
    < GetTableDate
        ( % "LeaseData" . account ,
          SimulationYearID ( ) ,
          "EIVadoTransferDate"
        )
    AND @ "t"
        >= OffsetDate
            ( GetTableDate
              ( % "LeaseData"
                SimulationYearID
                "EIVadoTransferDate"
              )
              - ( ComputedDeliveryDate
                  "1 days"
                )
            )
    NaNToZero ( % "LeaseData" . account )
ELSE
    0.0000000 "acre-ft"
END IF

WITH NUMERIC letterVolume = IF account != "MRGCD"
    AND % "LetterWaterDeliveryDate"
    AND @ "t"
        < GetTableDate
            ( % "LetterWaterDe

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account ,)
) ,
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DeliverySettings [account ,
"DaysBeforeTargetDateToStartMovingWater"]) ,

at [SimulationYearID () ,
"EIVadoLeaseVolume"])

a" . account [SimulationYearID () ,
"PaybackMRGCDwithTransferAtEIVado(1=yes,0=no)"] ==

eryData" . account , \

DO

0000000 | THEN DO

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SimulationYearID (
  "DateToCompleteTr
AND @"t"
  >= OffsetDate
    GetTableDate
      (% "LetterWz
      SimulationYe
      "DateToCom
      - ( ComputedDeliv
      "1 days"
GetPaybackDebt
  account
  CONCAT "EIVadoToMRGCD
  @"t - 1"
ELSE
  0.0000000 "acre-ft"
END IF

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IF leaseVolume
+ letterVolume
> % "EIVado" ^ ( account
                  CONCAT ".Storage" ) [ @"t - 1" ]
AND @"t"
  < GetTableDate
    (% "LeaseData" . account ,
    SimulationYearID ( ) ,
    "EIVadoTransferDate" )
OR account != "MRGCD"
AND @"t"

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TransferAtElVado")

DeliveryData" . account ,
ID () ,
TransferAtElVado"
ies.DeliverySettings [account ,
"DaysBeforeTargetDateToStartMovingWater"]) ,

Vado.Supply" ,)

THEN
|
|
|
|
|



```

    < GetTableDate
        ( % "LetterWaterDeliveryData" . account
          SimulationYearID () ,
          "DateToCompleteTransferAtEIVado"
        )
    IF ( account != "MRGCD" ) THEN
        Max
        IF GetTableDate
            ( % "LeaseData" . account ,
              SimulationYearID () ,
              "EIVadoTransferDate"
            )
            <= GetTableDate
                ( % "LetterWaterDeliveryData" . account
                  SimulationYearID () ,
                  "DateToCompleteTransferAtEIVado"
                )
            IF leaseVolume
                > % "EIVado" ^ ( account
                                CONCAT ".Storage"
                            ) [@"t"
                AND @"t"
                    < GetTableDate
                        ( % "LeaseData" . account ,
                          SimulationYearID () ,
                          "EIVadoTransferDate"
                        )
                ( leaseVolume
                  - % "EIVado" ^ ( account
                                  CONCAT ".Storage"
                              ) [@"t"
                )
                GetTableDate
                    ( % "LeaseData" . account ,
                      SimulationYearID () ,
                      "EIVadoTransferDate"
                    )
            )
        )
    )

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THEN
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|

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        | - @"t - 1"
    +
        |-----|
        | GetTableDate
        |   ( % "LetterWaterDeliveryData" . acco
        |     SimulationYearID ( ) ,
        |     "DateToCompleteTransferAtEIVado"
        | - @"t - 1"
ELSE
    | letterVolume
    | - ( % "EIVado" ^ ( account
    |                       ( CONCAT ".Storage" ) ) [ @"
    | - leaseVolume
    |-----|
    | GetTableDate
    |   ( % "LetterWaterDeliveryData" . acco
    |     SimulationYearID ( ) ,
    |     "DateToCompleteTransferAtEIVado"
    | - @"t - 1"
END IF
ELSE
    IF | letterVolume
    | > % "EIVado" ^ ( account
    |                       ( CONCAT ".Storage" ) ) [ @"t
    | AND @"t"
    |   < GetTableDate
    |     ( % "LetterWaterDeliveryData" .
    |       SimulationYearID ( ) ,
    |       "DateToCompleteTransferAtEIVa
    | letterVolume
    | - % "EIVado" ^ ( account
    |                       ( CONCAT ".Storage" ) ) [ @"t

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|
|                                     | CONCAT ".Storage" |
|-----|
| GetTableDate
|   ( % "LetterWaterDeliveryData" . account
|     SimulationYearID ( ) ,
|     "DateToCompleteTransferAtEIVado"
| - @"t - 1"
|
| + leaseVolume
|-----|
| GetTableDate
|   ( % "LeaseData" . account ,
|     SimulationYearID ( ) ,
|     "EIVadoTransferDate"
| - @"t - 1"
|
ELSE
| leaseVolume
| - ( % "EIVado" ^ ( account
|                   | CONCAT ".Storage" ) ) [ @"
| - letterVolume
|-----|
| GetTableDate
|   ( % "LeaseData" . account ,
|     SimulationYearID ( ) ,
|     "EIVadoTransferDate"
| - @"t - 1"
|
END IF
END IF
Min
| ComputedDeliveries.DeliverySettings [ account
|                                       | "TypicalI
|
| VolumeToFlow
|   ( leaseVolume
|

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      | | ( + letterVolume , )
      | | @"t" )
ELSE
  ( leaseVolume
    - % "ElVado" ^ ( account
                    ( CONCAT ".Storage" ) [ @"t - 1" ] )
    )
    ( GetTableDate
      ( % "LeaseData" . account ,
        SimulationYearID ( ) ,
        "ElVadoTransferDate"
      )
      - @"t - 1"
    )
  END IF
ELSE
  0.0000000 "cfs"
END IF
END WITH
END WITH

```




