

OST-FFMP General Release Summary

Decision Day: 2011-9-14

General Release Mass Balance

Combined Pepacton, Cannonsville, and Neversink (PCN) Storage:		272,725 MG
+	PCN Inflow Forecast Accumulated to Jun 1:	484,829 MG
-	Expected PCN Diversion Accumulated to Jun 1:	157,142 MG
-	Jun 1 Storage Target:	270,837 MG
=	Available Release Quantity Accumulated to Jun 1:	329,575 MG

Available Release Quantity Evenly Distributed to Jun 1

	Available Release Quantity Accumulated to Jun 1:	329,575 MG
/	Number of Days to Distribute Release Quantity:	262 days
	Current PCN Release Target:	1,258 mgd
	=	1,950 cfs

Determine Storage Zone for Schedule Selection

	Current PCN Usable Storage:	101%
	Current Pepacton Usable Storage:	100%
	Current Cannonsville Usable Storage:	102%
	Current Neversink Usable Storage:	100%
	Current Aggregate PCN Storage Zone:	L1-a

Use Release Target and L1-a Storage Zone to Select OST-FFMP Release Schedule

L1-a Storage Zone, Fall Season (cfs)

OST-FFMP Schedule	Cannonsville	Pepacton	Neversink	PCN
Table 4a	1,500	700	190	2,390
Table 4b	1,500	700	190	2,390
Table 4c	1,500	700	190	2,390
Table 4d	1,500	700	190	2,390
Table 4e	1,500	700	190	2,390
Table 4f	1,500	700	190	2,390
Table 4g	1,500	700	190	2,390

Selected Schedule: Table 4g /4f*

*Release rates identical for the current storage zone

OST-FFMP Discharge Mitigation Release Summary

Decision Day: 2011-9-14

Discharge Mitigation Mass Balance

	Current PCN Usable Storage:	272,725 MG
+	Current PCN Snow Storage:	0 MG
+	PCN Inflow Forecast Accumulated 7 Days:	9,746 MG
-	OST-FFMP Minimum Releases Accumulated 7 Days:	12,358 MG
-	Expected PCN Diversion Accumulated 7 Days:	2,697 MG
-	PCN Conditional Storage Objective:	243,753 MG
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	Estimated 7 Day PCN Excess over CSO:	23,663 MG

7 Day AHPS Forecast Volume (NOT CONFIGURED FOR USE IN THE OST MODEL)

Exceedance Probability	Cannonsville	Pepacton	Neversink	PCN
5%	14,659	12,347	3,807	30,814
10%	13,801	9,818	2,890	26,510
25%	9,529	7,903	2,100	19,532
50%	7,745	5,600	1,332	14,677
75%	6,079	4,335	881	11,295
90%	5,984	4,245	813	11,042
95%	5,984	4,245	813	11,042

Comments

Current 7 day AHPS forecasts, which include short-term meteorological forecasts which are not currently included in the OST model simulations, are consistent with OST's statistical Hirsch Forecasts for this model run at the 50% exceedance probability.

AHPS Forecasts for the Delaware System are available at the following webpages:

Cannonsville:

<http://water.weather.gov/ahps2/weekly.php?wfo=bgm&gage=cnnn6&view=1,1,1,1,1&toggles=10,7,8,2,9,15,6&type=2>

Pepacton:

<http://water.weather.gov/ahps2/weekly.php?wfo=bgm&gage=pepn6&view=1,1,1,1,1&toggles=10,7,8,2,9,15,6&type=2>

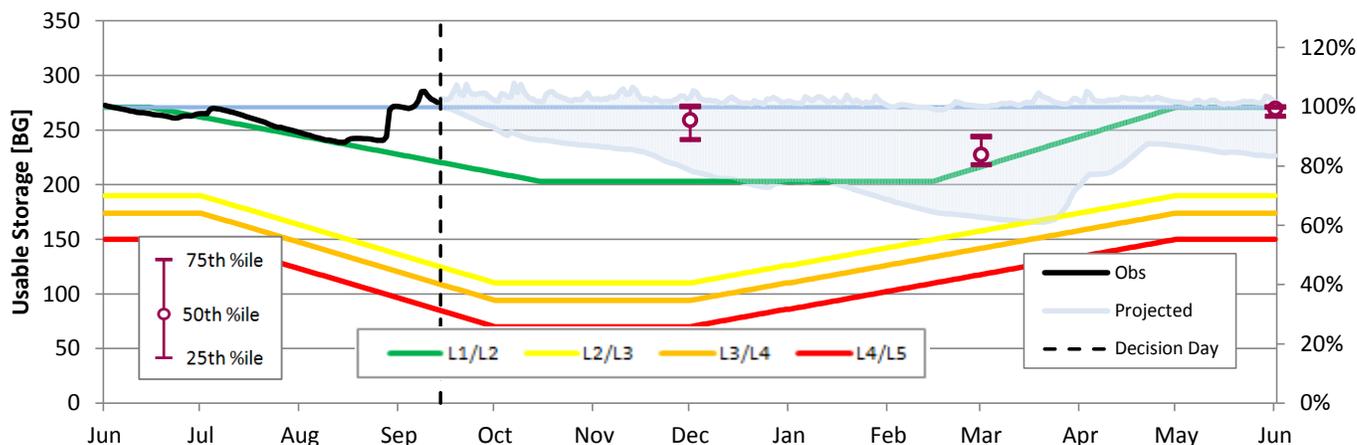
Neversink:

<http://water.weather.gov/ahps2/weekly.php?wfo=bgm&gage=nvrn6&view=1,1,1,1,1&toggles=10,7,8,2,9,15,6&type=2>

OST-FFMP Summary Page

Decision Day: 2011-9-14

Combined Pepacton, Cannonsville, and Neversink (PCN) Observed and Projected Storage



General Releases + Discharge Mitigation Releases (cfs)

Reservoir	General Release	Additional Discharge Mitigation Release	Total Release
Pepacton	700		700
Cannonsville	1505		1505
Neversink	190		190
Total	2395		2395

General releases are at Table 4g/4f*

*Release rates identical for the current storage zone

Comments

In the aftermath of Hurricane Irene and Tropical Storm Lee, releases will be made at L1a levels to restore the CSO.

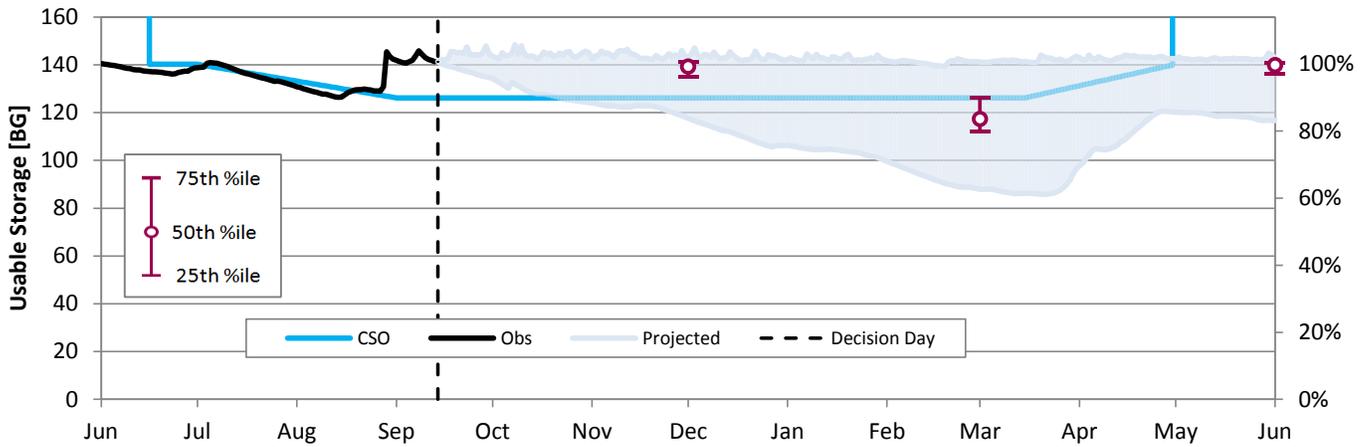
Cumulative Total Discharge Mitigation Releases Since June 1, 2011

Reservoir	Cumulative Releases (million gallons)
Pepacton	678
Cannonsville	2090
Neversink	279
Total	3047

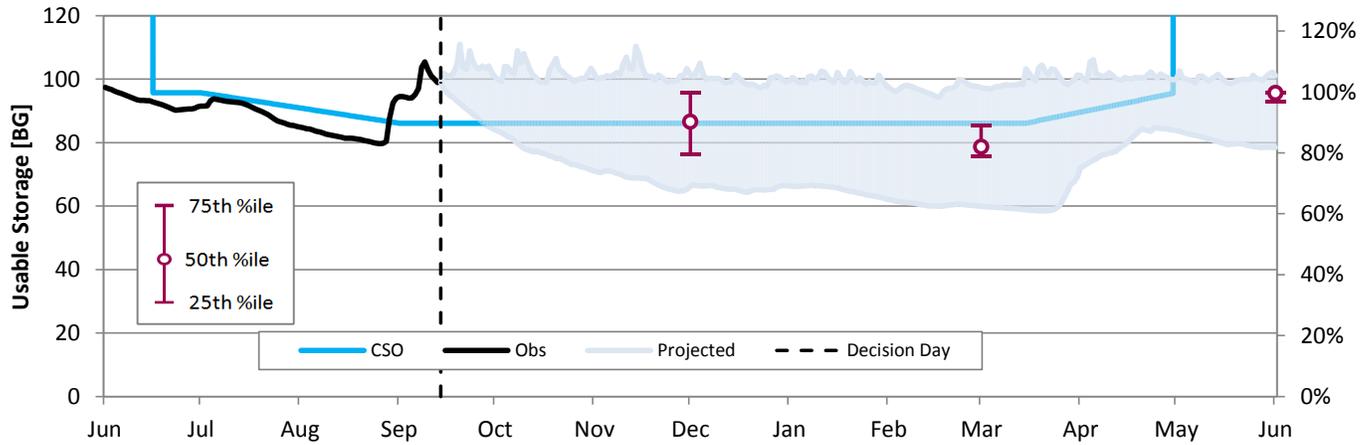
OST-FFMP Summary Page

Decision Day: 2011-9-14

Pepacton Observed and Projected Storage



Cannonsville Observed and Projected Storage



Neversink Observed and Projected Storage

