

# **Equitable Apportionment Plan (EAP)**

*A sustainable water management program for the Upper Delaware River (UDR) system, based on the equitable apportionment of resources.*

# Inequitable Apportionment

- NYC continues to assert the right to divert up to **800** mgd from the UDR system (based on prior apportionments outlined in the 1954 US Supreme Court Decree), despite the findings from the subsequent 1960's drought-of-record, that revised the safe yield of the UDR system to **480** mgd.
- Past and present UDR system water management programs have been designed to attain (and maintain) an **800** mgd diversion safe yield for NYC; at the expense of the compensating releases to the rivers and down-basin States.

# 1954 Decree vs 1960's Drought

	<b>1954</b>	<b>1960's</b>
	<b>Decree</b>	<b>Drought</b>
	mgd	mgd
<b>NYC system safe yield</b>	<b>1,665</b>	<b>1,290</b>
<b>UDR diversion safe yield</b>	<b>800</b>	<b>480</b>
<b>Drought-of-Record</b>	<b>1930's</b>	<b>1960's</b>

# Apportionment

**1960's UDR system availability = 855 mgd**

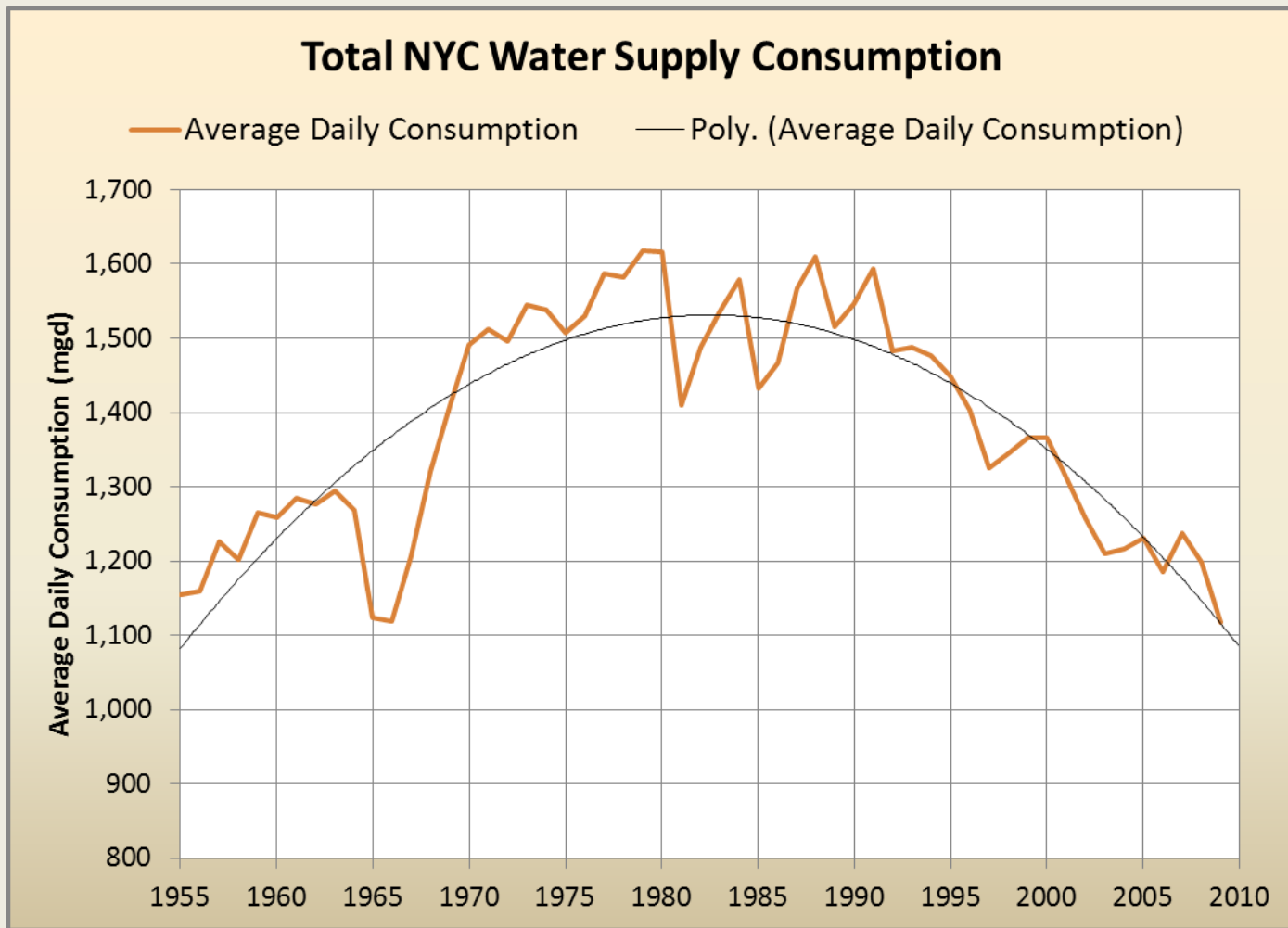
**1954 NYC diversion safe yield = 800 mgd**

**balance = 55 mgd**

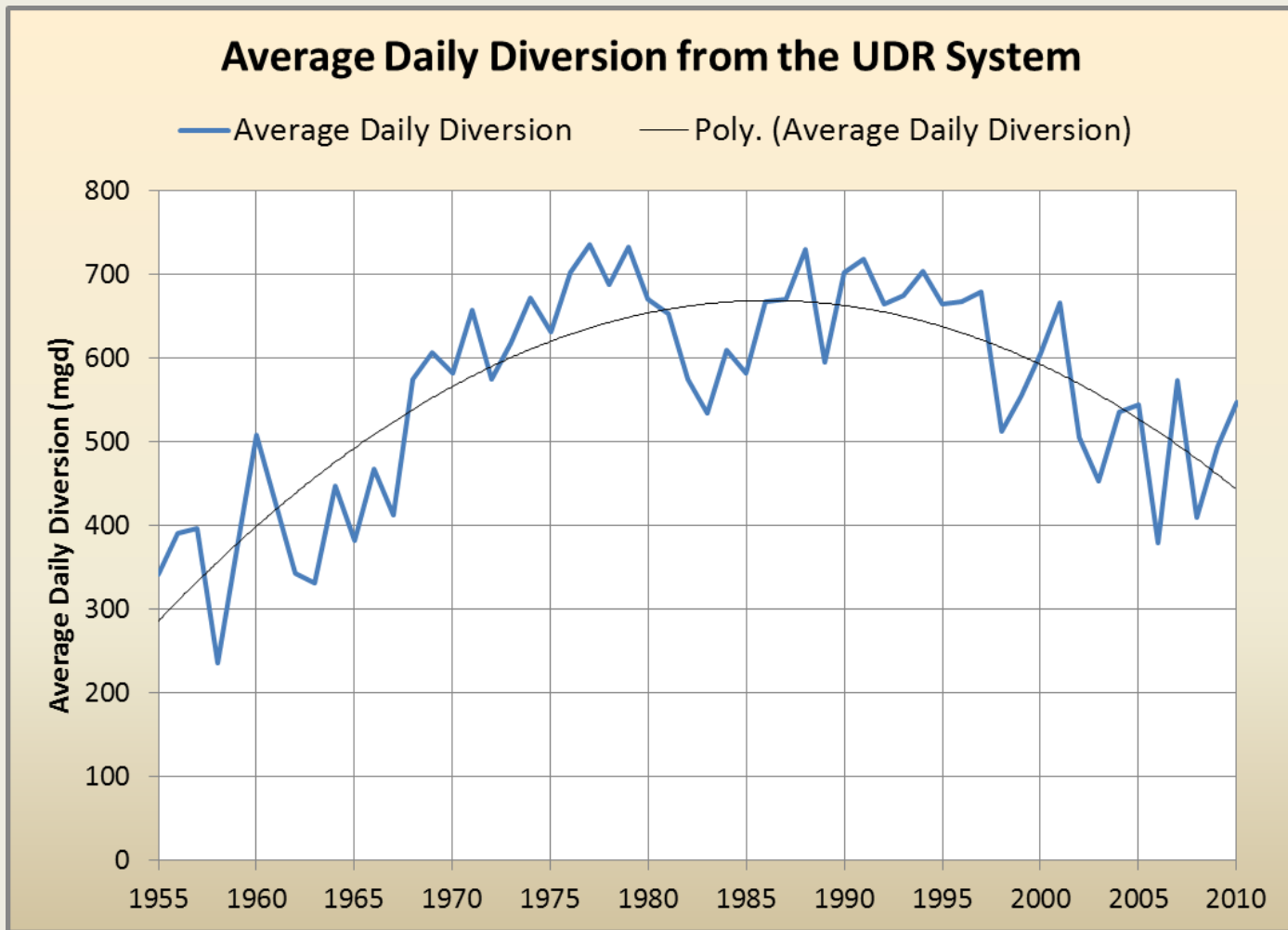
**1960's UDR system availability = 855 mgd**

**1960's NYC diversion safe yield = 480 mgd**

**balance = 375 mgd**



- NYC's Total Water Consumption peaked in the early '80's, and has now returned to the level of the 1950's.



- Average Daily Diversions from the UDR system have also dropped considerably since the mid-80's

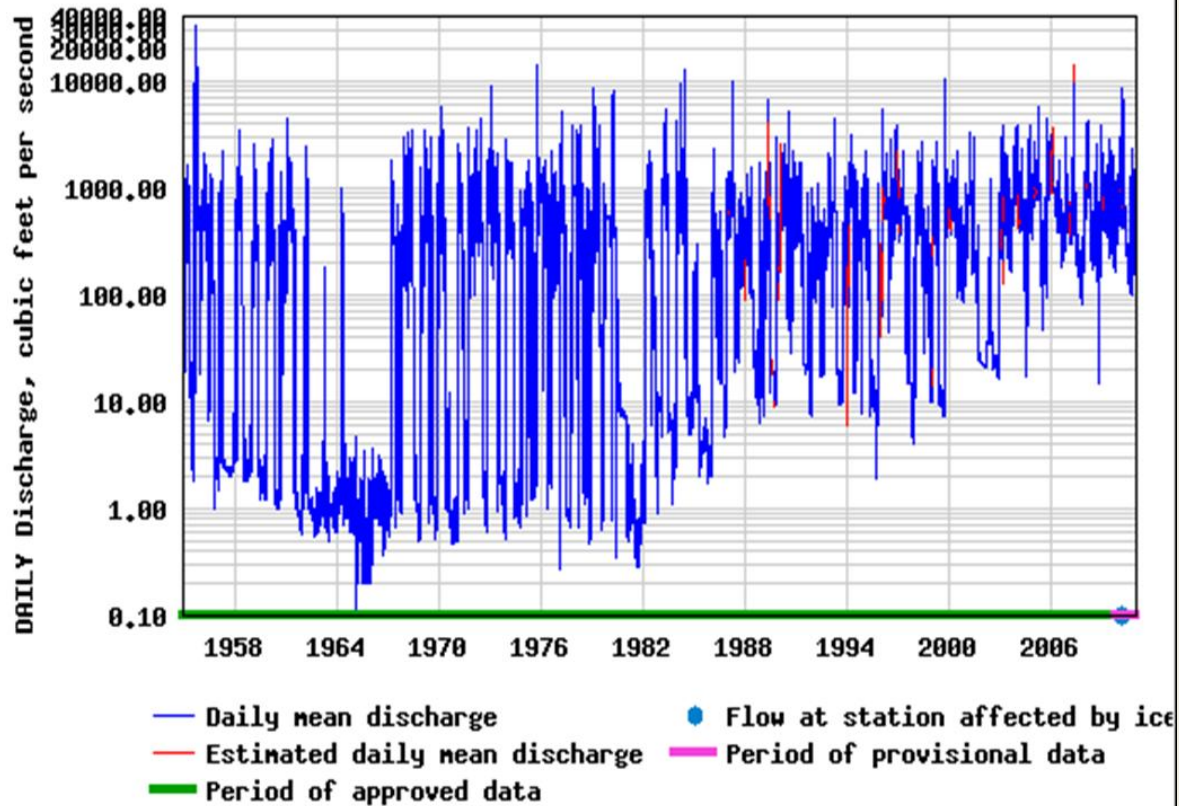
# WATER OVER THE DAM

## Underutilization of the Croton and Catskill system's safe yields

- USGS data indicates significant dumping of excess water from the Croton and Catskill systems, at the following three locations:
  1. New Croton Dam to the Hudson
  2. Schoharie Gilboa Dam discharge to Schoharie Creek
  3. Ashokan Dam discharge to Esopus Creek via the reopened Ashokan waste channel



### USGS 01375000 CROTON R @ NEW CROTON DAM NR CROTON-ON-HUDSON NY



A clear progressive increase in discharge rates from 1983 to the present day is evident - indicating a steady reduction in use of the Croton system (and its' **240** mgd safe yield), coincidental with the "Good Faith Agreement".

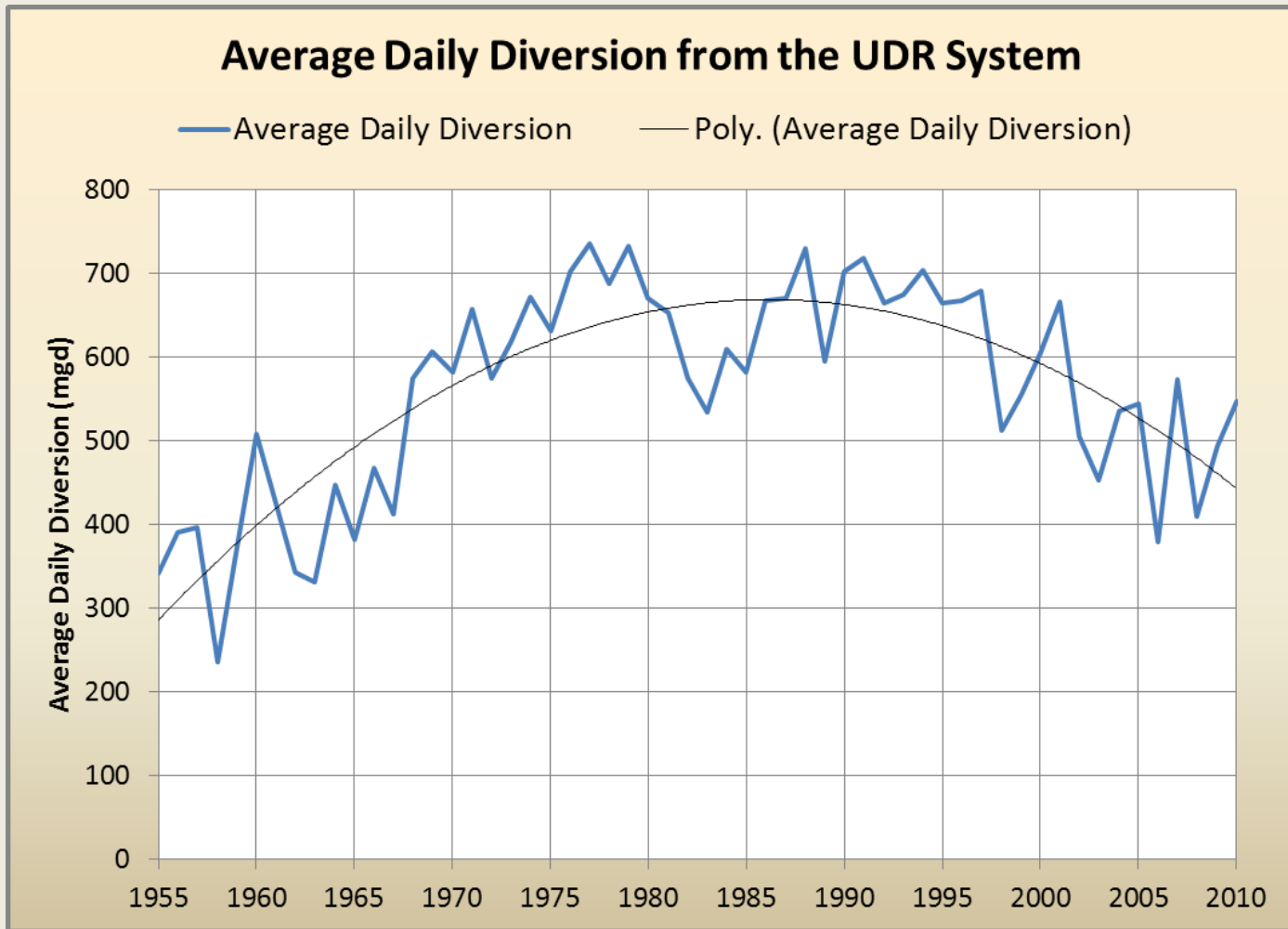


# Review of the Catskill System

- The safe yield of the Schoharie watershed is approximately **230** mgd, and yet NYC diversions (via the Shandaken Tunnel) over the long-term, have averaged only **160** mgd; representing a further underutilization of **230 - 160 = 70** mgd of safe yield.
- The recently reopened Ashokan waste channel provides a third location to release excess water; however we have no readily available data to monitor/quantify discharges from this source.

# WATER OVER THE DAM

- The previous slides illustrate how and where NYC has been dumping up to **240 + 70 = 310** mgd of safe-yield water from the Croton and Schoharie watersheds over the years; while over-drafting the Delaware system, and minimizing releases to the rivers and down-basin States.
- The loss of **310** mgd of safe-yield has to be made up from somewhere – and the only other available sources are the Ashokan watershed; and the Delaware system.



Had only a part of the **310** mgd of lost safe-yield been efficiently utilized, the demand on the UDR system would have remained well within the safe-yield of the system in recent years.

# CROTON WATER TREATMENT PLANT (290mgd)



The **290** mgd capacity of the Croton Water Treatment Plant will provide high quality water from the Croton system, and will restore the **240** mgd of lost Croton system safe-yield to the NYC water supply system.

- What can the Upper Delaware system provide to the Decree Parties and other stakeholders?

# Apportionment

**1960's UDR system availability = 855 mgd**

**1954 NYC diversion safe yield = 800 mgd**

**balance = 55 mgd**

**1960's UDR system availability = 855 mgd**

**1960's NYC diversion safe yield = 480 mgd**

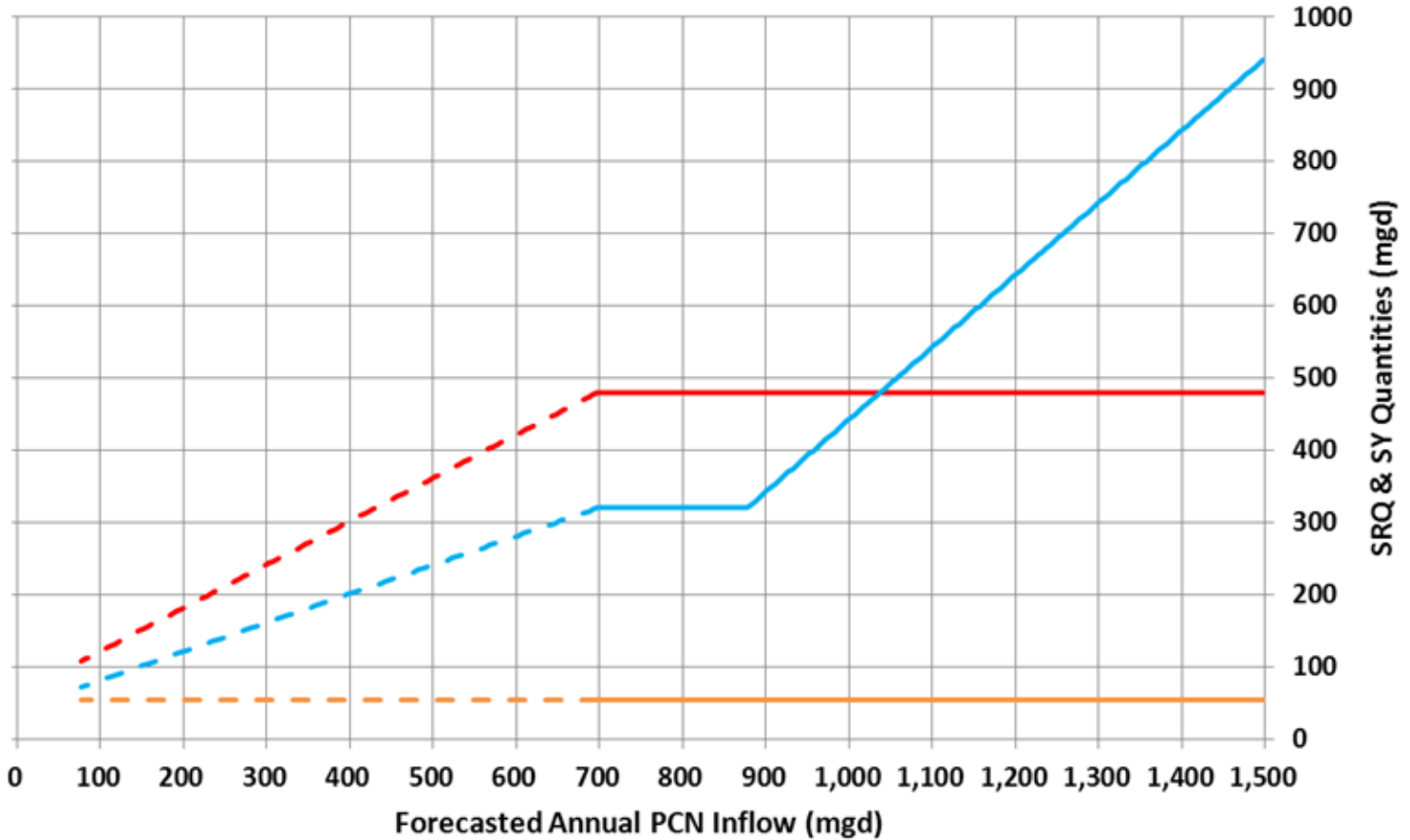
**balance = 375 mgd**

## under TU's approach:

- **375** - **55** = **320** mgd should be available for releases to support the ecology of the rivers, and improve flows to Montague, Trenton, and the Delaware Estuary;
- while still providing a sustainable **480** mgd diversion safe-yield to NYC, and the original **55** mgd NYC allotment for maintenance of the Montague and Trenton flow targets.

# PCN - SRQ & SY Quantities with Standard 480mgd SY

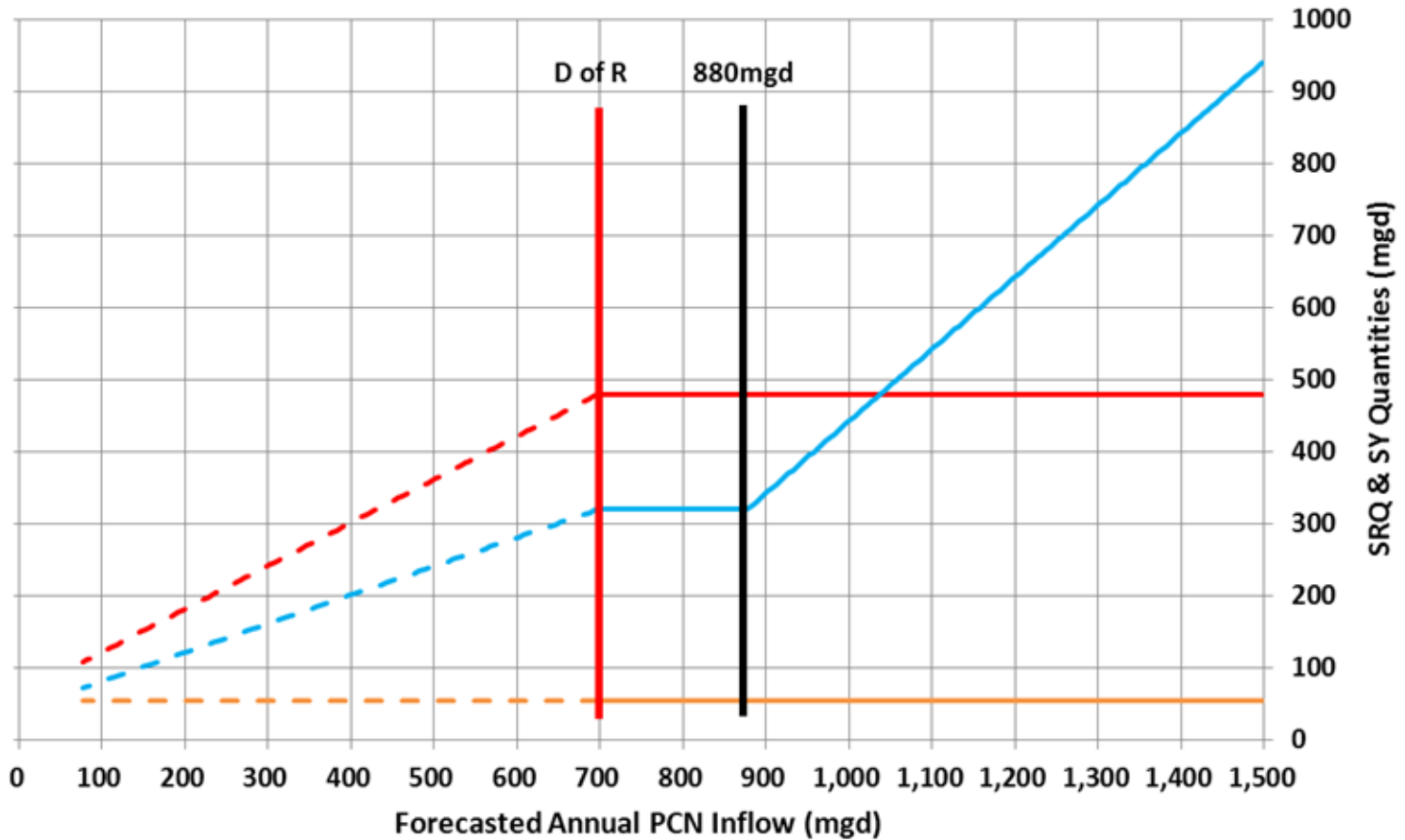
- NYC Diversion Safe Yield (SY)
- Safe Release Quantity (SRQ)
- Directed Release Quantity
- Drought
- Drought
- Drought





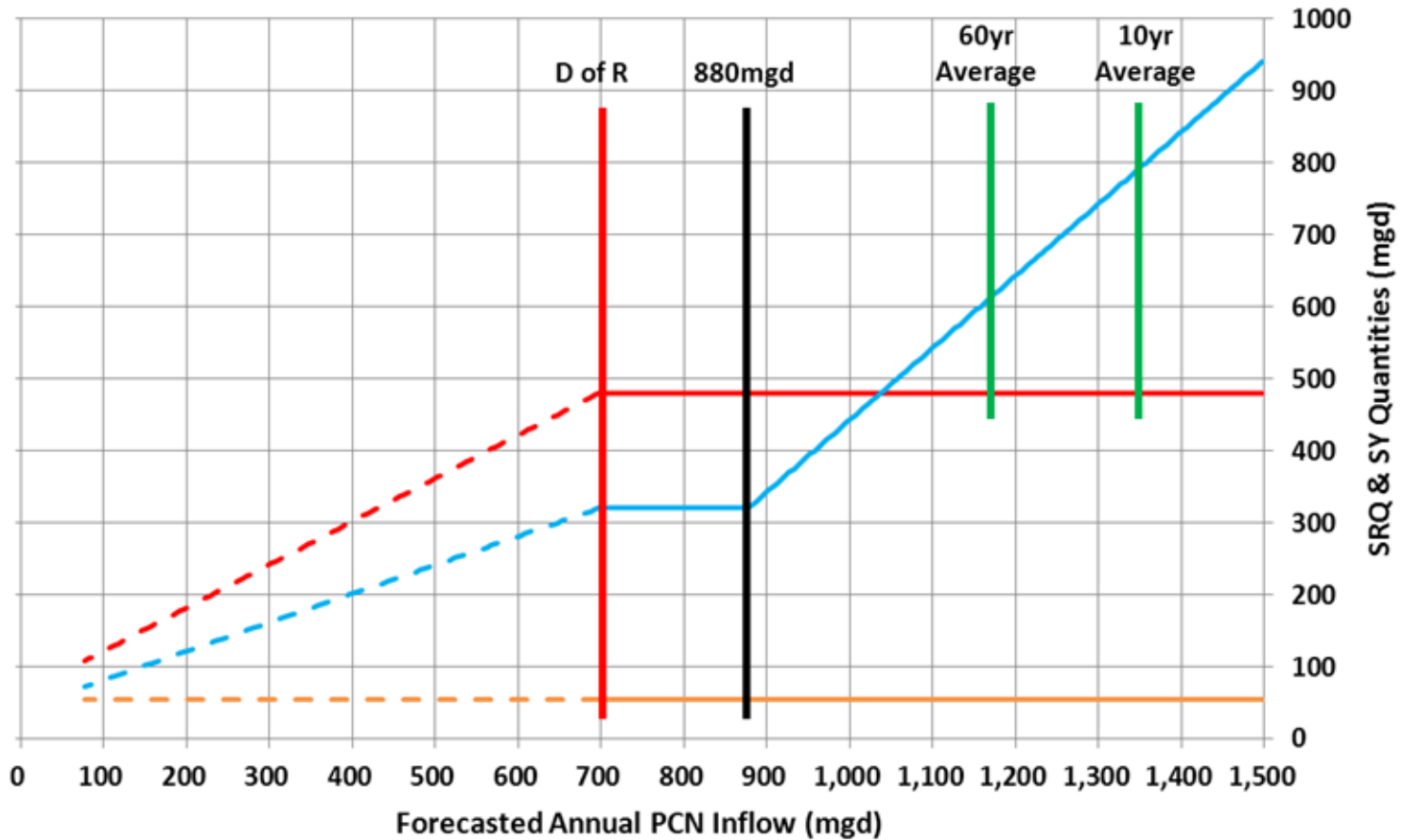
# PCN - SRQ & SY Quantities with Standard 480mgd SY

- NYC Diversion Safe Yield (SY)
- Safe Release Quantity (SRQ)
- Directed Release Quantity
- Drought
- Drought
- Drought



## PCN - SRQ & SY Quantities with Standard 480mgd SY

- NYC Diversion Safe Yield (SY)
- Safe Release Quantity (SRQ)
- Directed Release Quantity
- - - Drought
- - - Drought
- - - Drought



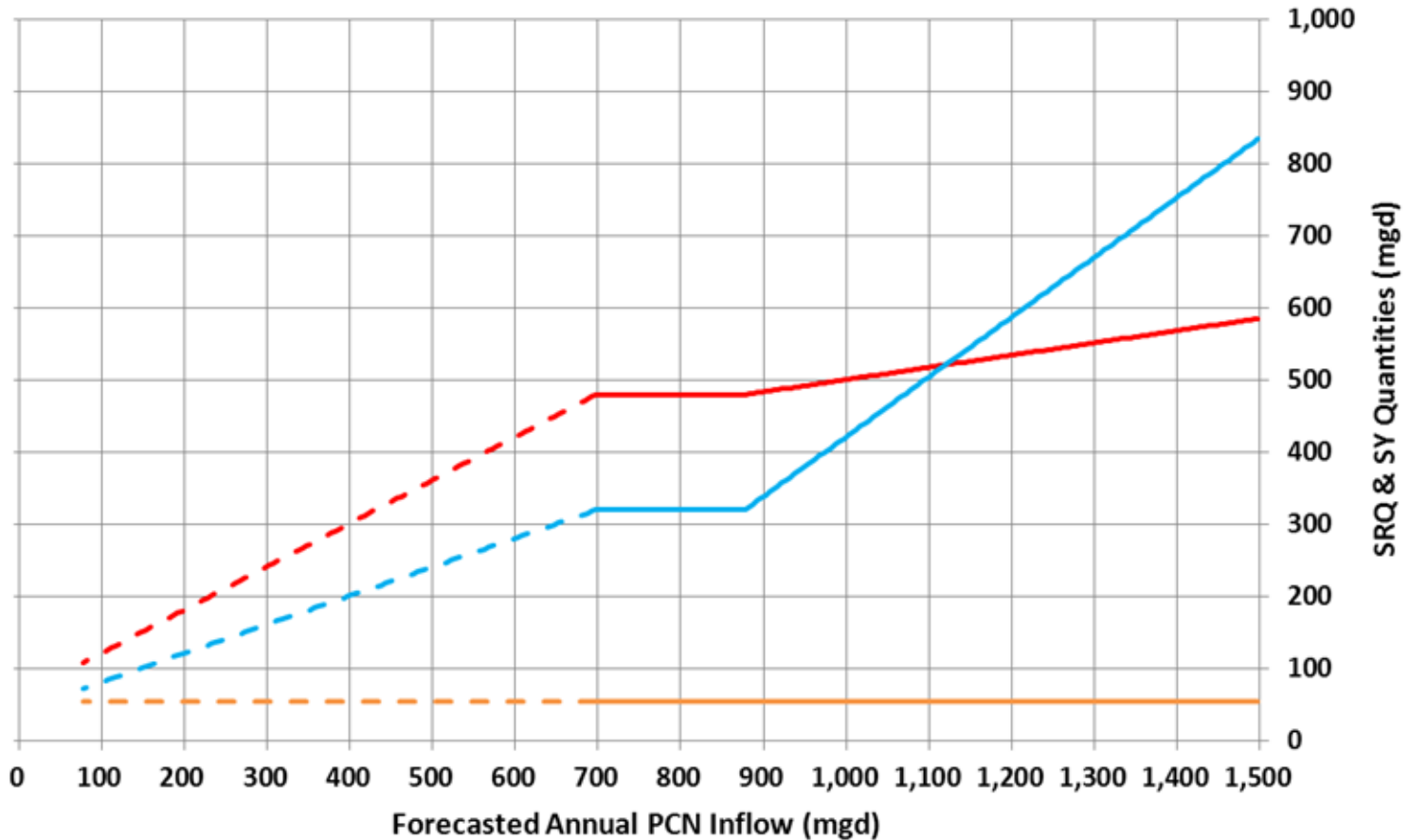
# An Alternate Approach:

- The 1954 decree indicates that: **83%** of the amount by which NYC's estimated consumption during the year is anticipated to be less than the City's estimate of the continuous safe-yield of the NYC Water Supply System, is to be released to the rivers. The decree however, remains silent on the remaining **17%**.
- Extending this **17%/83%** excess quantity (EQ) distribution logic to the available excess water over and above the drought-of-record's safe-yield quantities; would appear to be more equitable than holding NYC to the traditional out-of-basin transfer limitation of the **(480 mgd)** safe yield quantity, only.

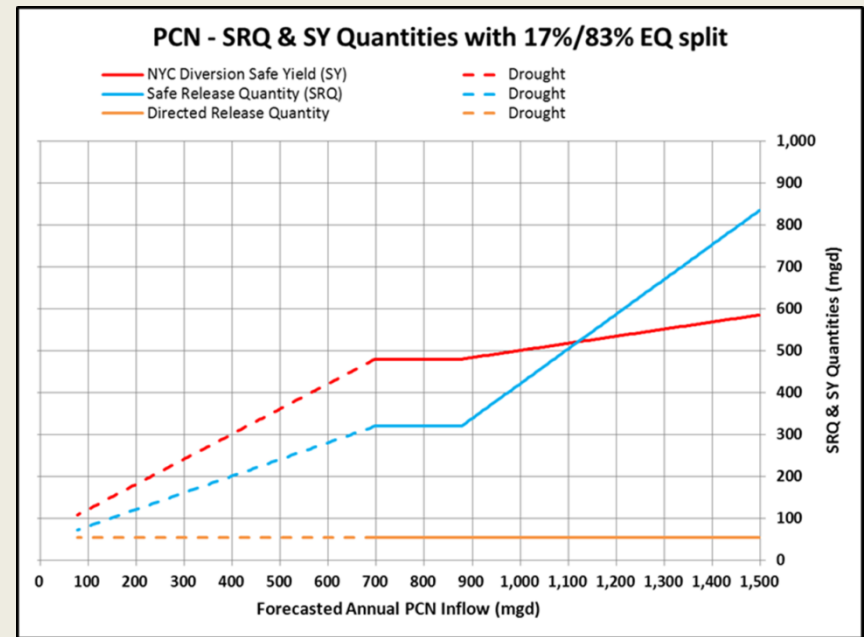
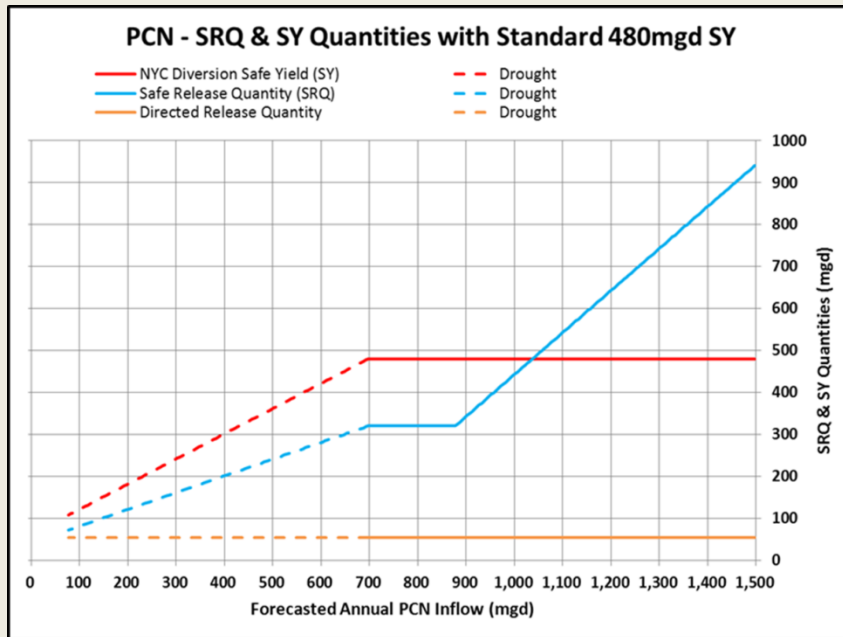
# The Alternate Plan

## PCN - SRQ & SY Quantities with 17%/83% EQ split

- NYC Diversion Safe Yield (SY)
- Safe Release Quantity (SRQ)
- Directed Release Quantity
- Drought
- Drought
- Drought



# The Choices



The down-basin States and Federal Government can hold NYC to the traditional out-of-basin transfer limitation of the (480 mgd) safe yield quantity, only; **if they so choose.**

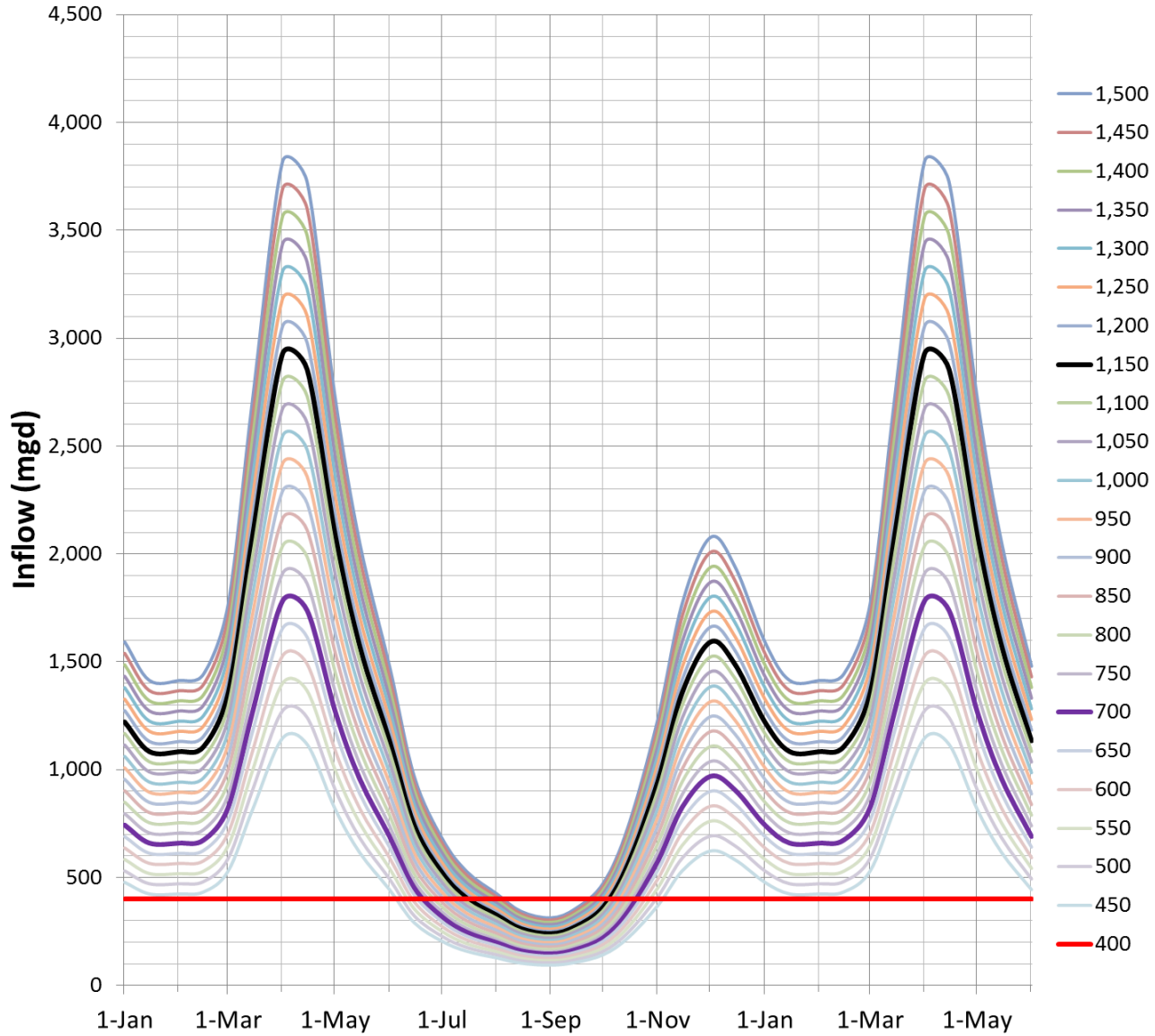
# Equitable Apportionment Plan

The EAP links both Release and Diversion quantities to the anticipated available water quantity, based on:

- **Reservoir Level** – and refill requirements
- **Inflow Profile** – based on the hydrological conditions of the previous three months
- **Long-range hydrological forecast**



# PCN Annual Inflow Profiles





# Normal Conditions

EAP (NORMAL CONDITIONS)												NYC DIV (mgd)
CANNONSVILLE		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,500 and up	600	1,500	1,500	1,500	1,500	1,500	1,500	1,500	475	525	590
L1-b	1,400 - 1,499	600	600	700	700	700	700	700	700	475	525	575
L1-c	1,300 - 1,399	600	600	600	525	375	225	225	475	475	525	555
L2-a	1,200 - 1,299	600	600	600	525	375	225	225	350	475	525	540
L2-b	1,100 - 1,199	600	600	600	525	375	225	225	350	475	525	520
L2-c	1,000 - 1,099	525	525	525	475	350	225	225	275	325	475	505
L3	900 - 999	400	400	400	400	325	225	225	225	275	325	480
L4	800 - 899	270	270	270	270	250	225	225	225	235	250	480
L5	700 - 799	225	225	225	225	225	225	225	225	225	225	480
	600-699	200	200	200	200	200	200	200	200	200	200	420
	500-599	170	170	170	170	170	170	170	170	170	170	360
	400-499	125	125	125	125	125	125	125	125	125	125	300

PCN June-1 Reservoir Inventory

100 %

Normal

Average Inflow Profile over last 3 months

1,175 mgd

Normal

Long-range Forecast

Average

Normal

# Normal Conditions

EAP (NORMAL CONDITIONS)												NYC DIV (mgd)
PEPACTON		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,500 and up	175	700	700	700	700	700	700	700	150	150	590
L1-b	1,400 - 1,499	175	175	500	500	500	500	500	500	150	150	575
L1-c	1,300 - 1,399	175	175	175	175	150	150	150	150	150	150	555
L2-a	1,200 - 1,299	175	175	175	175	150	140	140	140	150	150	540
L2-b	1,100 - 1,199	175	175	175	175	150	140	140	140	150	150	520
L2-c	1,000 - 1,099	175	175	175	175	150	140	140	140	150	150	505
L3	900 - 999	150	150	150	150	140	140	140	140	140	140	480
L4	800 - 899	140	140	140	140	140	140	140	140	140	140	480
L5	700 - 799	140	140	140	140	140	140	140	140	140	140	480
	600-699	130	130	130	130	130	130	130	130	130	130	420
	500-599	115	115	115	115	115	115	115	115	115	115	360
	400-499	105	105	105	105	105	105	105	105	105	105	300

PCN June-1 Reservoir Inventory

100 %

Normal

Average Inflow Profile over last 3 months

1,175 mgd

Normal

Long-range Forecast

Average

Normal

# Normal Conditions

EAP (NORMAL CONDITIONS)												NYC DIV (mgd)
NEVERSINK		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,500 and up	150	190	190	190	190	190	190	190	100	115	590
L1-b	1,400 - 1,499	150	150	150	150	150	125	125	110	100	115	575
L1-c	1,300 - 1,399	150	150	150	150	115	75	75	75	100	115	555
L2-a	1,200 - 1,299	140	140	140	140	115	75	75	75	100	115	540
L2-b	1,100 - 1,199	140	140	140	140	115	75	75	75	100	115	520
L2-c	1,000 - 1,099	130	130	130	130	115	75	75	75	100	115	505
L3	900 - 999	110	110	110	110	90	75	75	75	75	90	480
L4	800 - 899	85	85	85	85	75	75	75	75	75	75	480
L5	700 - 799	70	70	70	70	70	70	70	70	70	70	480
	600-699	60	60	60	60	60	60	60	60	60	60	420
	500-599	55	55	55	55	55	55	55	55	55	55	360
	400-499	45	45	45	45	45	45	45	45	45	45	300

PCN June-1 Reservoir Inventory

100 %

Normal

Average Inflow Profile over last 3 months

1,175 mgd

Normal

Long-range Forecast

Average

Normal

# Abnormal Condition 1

EAP (ABNORMAL CONDITION 1)												NYC DIV (mgd)
CANNONSVILLE		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,400 - 1,499	600	600	700	700	700	700	700	700	475	525	575
L1-b	1,300 - 1,399	600	600	600	525	375	225	225	475	475	525	555
L1-c	1,200 - 1,299	600	600	600	525	375	225	225	350	475	525	540
L2-a	1,100 - 1,199	600	600	600	525	375	225	225	350	475	525	520
L2-b	1,000 - 1,099	525	525	525	475	350	225	225	275	325	475	505
L2-c	900 - 999	400	400	400	400	325	225	225	225	275	325	480
L3	800 - 899	270	270	270	270	250	225	225	225	235	250	480
L4	700 - 799	225	225	225	225	225	225	225	225	225	225	480
L5	600-699	200	200	200	200	200	200	200	200	200	200	420
	500-599	170	170	170	170	170	170	170	170	170	170	360
	400-499	125	125	125	125	125	125	125	125	125	125	300

PCN June-1 Reservoir Inventory  
 Average Inflow Profile over last 3 months  
 Long-range Forecast

90 %  
 1,175 mgd  
 Average

Low  
 Normal  
 Normal

# Abnormal Condition 2

EAP (ABNORMAL CONDITION 2)												NYC DIV (mgd)
CANNONSVILLE		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,300 - 1,399	600	600	600	525	375	225	225	475	475	525	555
L1-b	1,200 - 1,299	600	600	600	525	375	225	225	350	475	525	540
L1-c	1,100 - 1,199	600	600	600	525	375	225	225	350	475	525	520
L2-a	1,000 - 1,099	525	525	525	475	350	225	225	275	325	475	505
L2-b	900 - 999	400	400	400	400	325	225	225	225	275	325	480
L2-c	800 - 899	270	270	270	270	250	225	225	225	235	250	480
L3	700 - 799	225	225	225	225	225	225	225	225	225	225	480
L4	600-699	200	200	200	200	200	200	200	200	200	200	420
L5	500-599	170	170	170	170	170	170	170	170	170	170	360
	400-499	125	125	125	125	125	125	125	125	125	125	300

PCN June-1 Reservoir Inventory

90 %

Low

Average Inflow Profile over last 3 months

950 mgd

Low

Long-range Forecast

Average

Normal

# Abnormal Condition 3

EAP (ABNORMAL CONDITION 3)												NYC DIV (mgd)
CANNONSVILLE		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,200 - 1,299	600	600	600	525	375	225	225	350	475	525	540
L1-b	1,100 - 1,199	600	600	600	525	375	225	225	350	475	525	520
L1-c	1,000 - 1,099	525	525	525	475	350	225	225	275	325	475	505
L2-a	900 - 999	400	400	400	400	325	225	225	225	275	325	480
L2-b	800 - 899	270	270	270	270	250	225	225	225	235	250	480
L2-c	700 - 799	225	225	225	225	225	225	225	225	225	225	480
L3	600-699	200	200	200	200	200	200	200	200	200	200	420
L4	500-599	170	170	170	170	170	170	170	170	170	170	360
L5	400-499	125	125	125	125	125	125	125	125	125	125	300

PCN June-1 Reservoir Inventory

90 %

Low

Average Inflow Profile over last 3 months

950 mgd

Low

Long-range Forecast

Dry

Low

# 2001 – 2002 Abnormal Condition 3

EAP (2001 - 2002)												NYC DIV (mgd)
CANNONSVILLE		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,200 - 1,299	600	600	600	525	375	225	225	350	475	525	540
L1-b	1,100 - 1,199	600	600	600	525	375	225	225	350	475	525	520
L1-c	1,000 - 1,099	525	525	525	475	350	225	225	275	325	475	505
L2-a	900 - 999	400	400	400	400	325	225	225	225	275	325	480
L2-b	800 - 899	270	270	270	270	250	225	225	225	235	250	480
L2-c	700 - 799	225	225	225	225	225	225	225	225	225	225	480
L3	600-699	200	200	200	200	200	200	200	200	200	200	420
L4	500-599	170	170	170	170	170	170	170	170	170	170	360
L5	400-499	125	125	125	125	125	125	125	125	125	125	300

PCN June-1 Reservoir Inventory

94 %

Low

Average Inflow Profile over last 3 months

850 mgd

Low

Long-range Forecast

Dry

Low

# 2001 – 2002 Abnormal Condition 3

EAP (2001 - 2002)												NYC DIV (mgd)
PEPACTON		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,200 - 1,299	175	175	175	175	150	140	140	140	150	150	540
L1-b	1,100 - 1,199	175	175	175	175	150	140	140	140	150	150	520
L1-c	1,000 - 1,099	175	175	175	175	150	140	140	140	150	150	505
L2-a	900 - 999	150	150	150	150	140	140	140	140	140	140	480
L2-b	800 - 899	140	140	140	140	140	140	140	140	140	140	480
L2-c	700 - 799	140	140	140	140	140	140	140	140	140	140	480
L3	600-699	130	130	130	130	130	130	130	130	130	130	420
L4	500-599	115	115	115	115	115	115	115	115	115	115	360
L5	400-499	105	105	105	105	105	105	105	105	105	105	300

PCN June-1 Reservoir Inventory

94 %

Low

Average Inflow Profile over last 3 months

850 mgd

Low

Long-range Forecast

Dry

Low



# 2001 – 2002 Abnormal Condition 3

EAP (2001 - 2002)												NYC DIV (mgd)
NEVERSINK		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,200 - 1,299	140	140	140	140	115	75	75	75	100	115	540
L1-b	1,100 - 1,199	140	140	140	140	115	75	75	75	100	115	520
L1-c	1,000 - 1,099	130	130	130	130	115	75	75	75	100	115	505
L2-a	900 - 999	110	110	110	110	90	75	75	75	75	90	480
L2-b	800 - 899	85	85	85	85	75	75	75	75	75	75	480
L2-c	700 - 799	70	70	70	70	70	70	70	70	70	70	480
L3	600-699	60	60	60	60	60	60	60	60	60	60	420
L4	500-599	55	55	55	55	55	55	55	55	55	55	360
L5	400-499	45	45	45	45	45	45	45	45	45	45	300

PCN June-1 Reservoir Inventory

94 %

Low

Average Inflow Profile over last 3 months

850 mgd

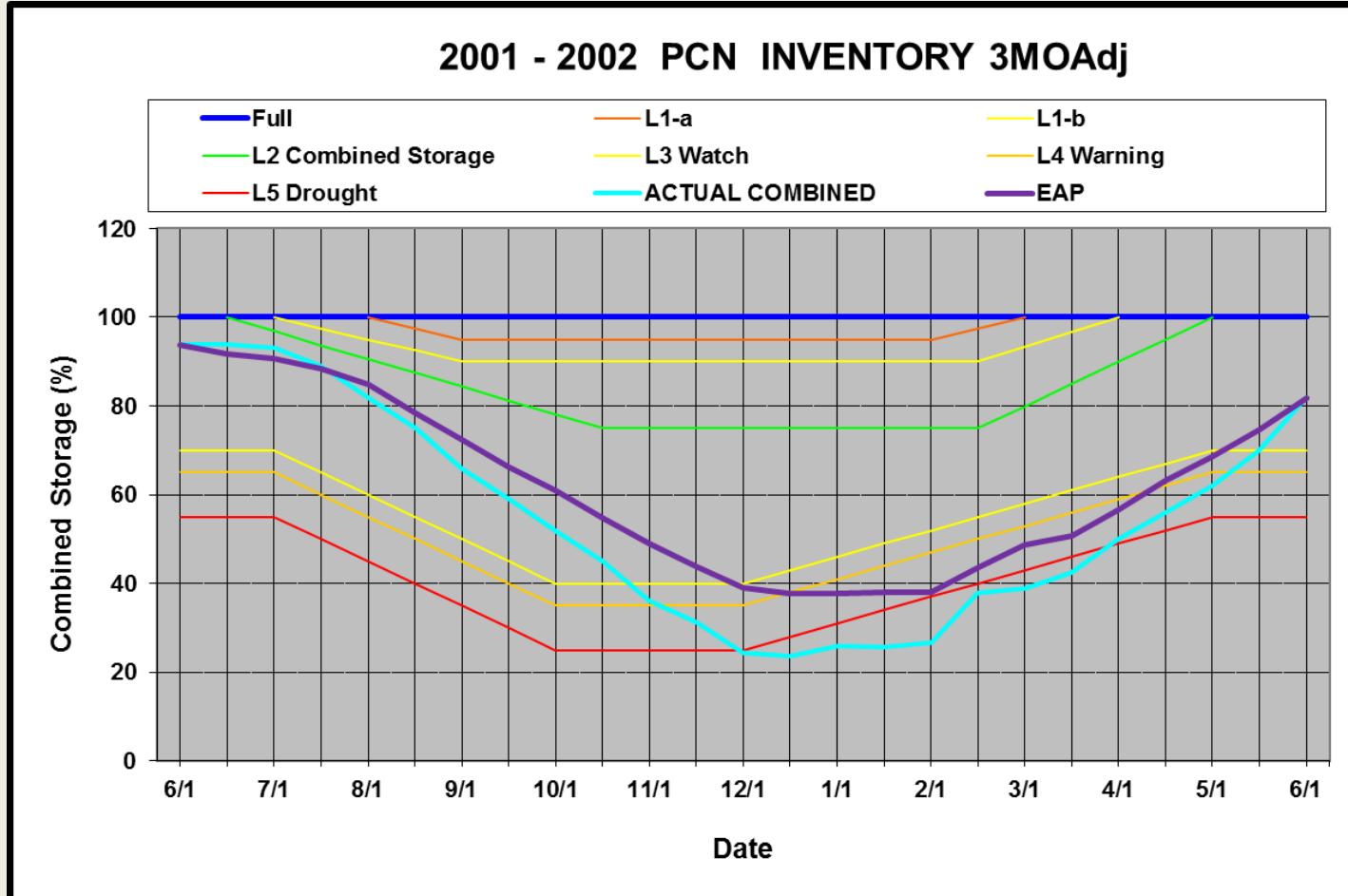
Low

Long-range Forecast

Dry

Low

# 2001 – 2002 Actuals vs EAP



# 2005 - 2006

EAP (2005 - 2006)												NYC DIV (mgd)
CANNONSVILLE		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,400 - 1,499	600	600	700	700	700	700	700	700	475	525	575
L1-b	1,300 - 1,399	600	600	600	525	375	225	225	475	475	525	555
L1-c	1,200 - 1,299	600	600	600	525	375	225	225	350	475	525	540
L2-a	1,100 - 1,199	600	600	600	525	375	225	225	350	475	525	520
L2-b	1,000 - 1,099	525	525	525	475	350	225	225	275	325	475	505
L2-c	900 - 999	400	400	400	400	325	225	225	225	275	325	480
L3	800 - 899	270	270	270	270	250	225	225	225	235	250	480
L4	700 - 799	225	225	225	225	225	225	225	225	225	225	480
L5	600-699	200	200	200	200	200	200	200	200	200	200	420
	500-599	170	170	170	170	170	170	170	170	170	170	360
	400-499	125	125	125	125	125	125	125	125	125	125	300

PCN June-1 Reservoir Inventory  
 Average Inflow Profile over last 3 months  
 Long-range Forecast

96 %  
 1,106 mgd  
 Normal

Low  
 Normal  
 Normal

# 2005 - 2006

EAP (2005 - 2006)												NYC DIV (mgd)
PEPACTON		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,400 - 1,499	175	175	500	500	500	500	500	500	150	150	575
L1-b	1,300 - 1,399	175	175	175	175	150	150	150	150	150	150	555
L1-c	1,200 - 1,299	175	175	175	175	150	140	140	140	150	150	540
L2-a	1,100 - 1,199	175	175	175	175	150	140	140	140	150	150	520
L2-b	1,000 - 1,099	175	175	175	175	150	140	140	140	150	150	505
L2-c	900 - 999	150	150	150	150	140	140	140	140	140	140	480
L3	800 - 899	140	140	140	140	140	140	140	140	140	140	480
L4	700 - 799	140	140	140	140	140	140	140	140	140	140	480
L5	600-699	130	130	130	130	130	130	130	130	130	130	420
	500-599	115	115	115	115	115	115	115	115	115	115	360
	400-499	105	105	105	105	105	105	105	105	105	105	300

PCN June-1 Reservoir Inventory  
 Average Inflow Profile over last 3 months  
 Long-range Forecast

96 %  
 1,106 mgd  
 Normal

Low  
 Normal  
 Normal

# 2005 - 2006

EAP (2005 - 2006)												NYC DIV (mgd)
NEVERSINK		Summer			Fall			Winter		Spring		
		Jun	Jun	Jul - Aug	Sept	Sept	Oct - Nov	Dec - Mar	Apr	May	May	
Zone	Inflow Profile (mgd)	6/1 - 6/15	6/16 - 6/30	7/1 - 8/31	9/1 - 9/15	9/16-9/30	10/1 - 11/30	12/1 - 3/31	4/1 - 4/30	5/1 - 5/20	5/21-5/31	
L1-a	1,400 - 1,499	150	150	150	150	150	125	125	110	100	115	575
L1-b	1,300 - 1,399	150	150	150	150	115	75	75	75	100	115	555
L1-c	1,200 - 1,299	140	140	140	140	115	75	75	75	100	115	540
L2-a	1,100 - 1,199	140	140	140	140	115	75	75	75	100	115	520
L2-b	1,000 - 1,099	130	130	130	130	115	75	75	75	100	115	505
L2-c	900 - 999	110	110	110	110	90	75	75	75	75	90	480
L3	800 - 899	85	85	85	85	75	75	75	75	75	75	480
L4	700 - 799	70	70	70	70	70	70	70	70	70	70	480
L5	600-699	60	60	60	60	60	60	60	60	60	60	420
	500-599	55	55	55	55	55	55	55	55	55	55	360
	400-499	45	45	45	45	45	45	45	45	45	45	300

PCN June-1 Reservoir Inventory

96 %

Low

Average Inflow Profile over last 3 months

1,106 mgd

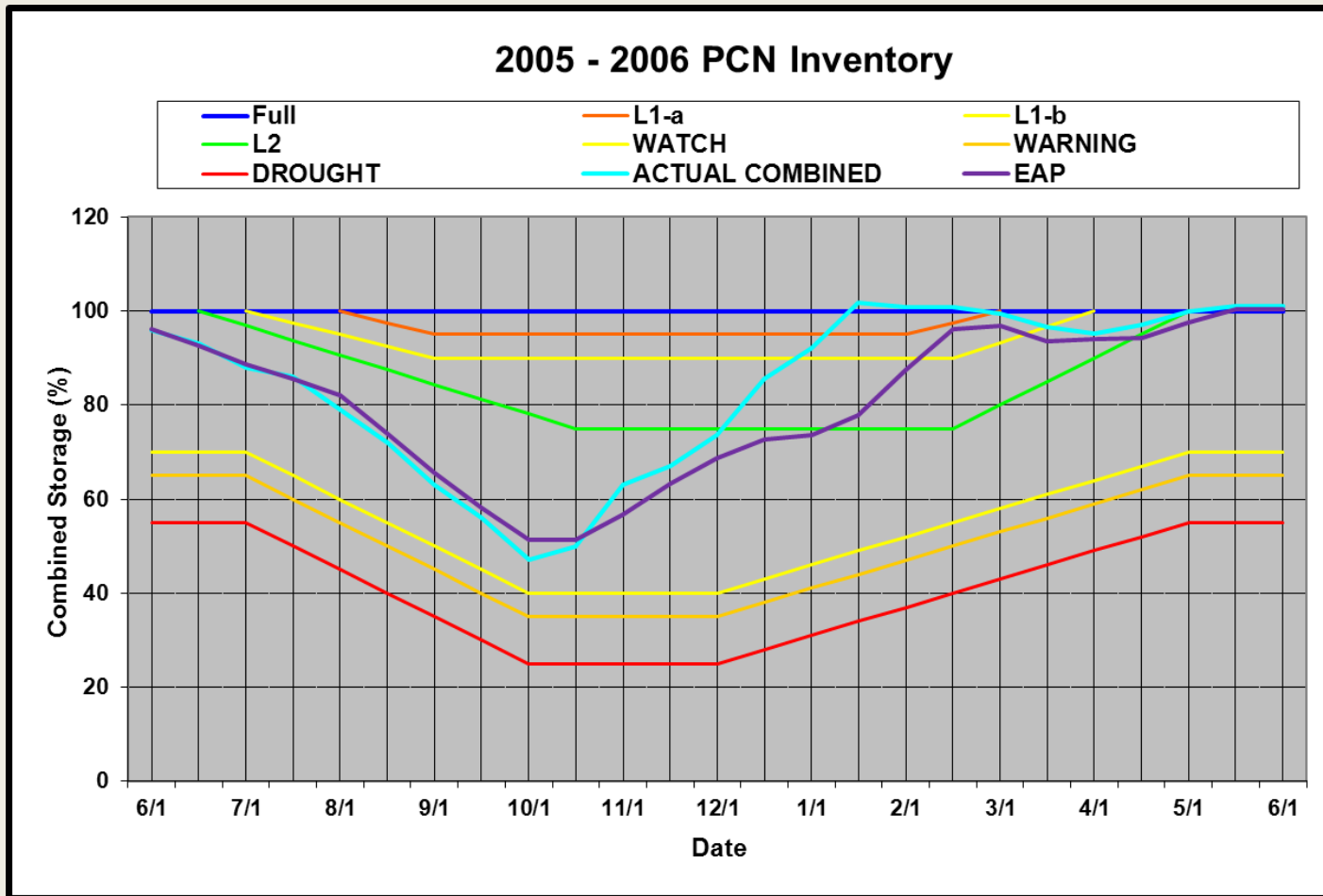
Normal

Long-range Forecast

Normal

Normal

# 2005 – 2006 Actuals vs EAP



# Equitable Apportionment Plan

- Provides and restores a sustainable and equitable apportionment of resources between all parties

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# Equitable Apportionment Plan

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- Keys both Releases and Diversions to the available water quantity
- Provides NYC with more water than traditional plans
- Shares the risk of the future.
- Safeguards the future interests of the lower-basin States

# Timing

- Implement the EAP upon full commissioning of the Croton Water Treatment Plant

# The alternative

