

# **WATER MANAGEMENT THROUGH CONSERVATION**

**AUGUST 13, 2024**



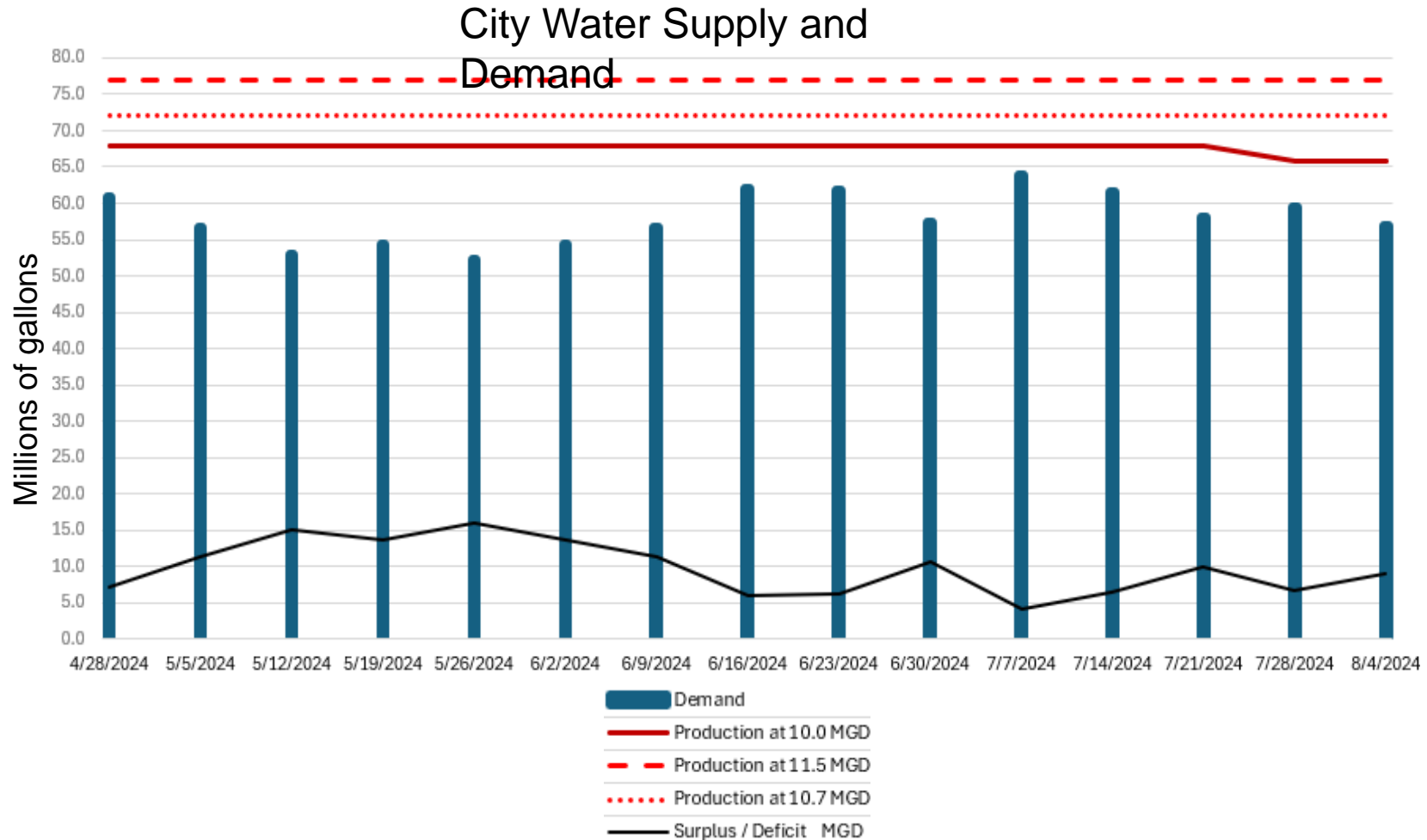


# TRIGGER #1

## EMERGENCY WATER SHORTAGES ORDINANCE 7-2-19 (A)

Weekly water demand is approaching supply.

Per ordinance, the Director of Public Utilities has designated the City to be in a voluntary conservation status. Should trends continue, additional conservation measures will need to be taken.





# TRIGGER #2

## DROUGHT MANAGEMENT ORDINANCE 7-2-19 (B)

Dam and River supply do not currently trigger any mandatory conservation measures.

Should dam levels decrease to a 30-day supply or the City's North River withdrawal rate increase to 15%, additional conservation measures would be recommended.

Dry River / Switzer Dam	
Switzer Level	-7.0 feet
Reserve	1,327 million gallons
Withdrawal	4.37 MGD
Days to empty at 8.3 MGD	<u>112</u>

North River	
Streamflow	281.5 MGD
Withdrawal	3.63 MGD
Withdrawal rate	<u>1.3%</u>

MGD—  
Million gallons/day





# VIRGINIA WATER WITHDRAWAL PERMIT (VWWP) & UPPER SHENANDOAH RIVER BASIN DROUGHT PREPAREDNESS AND RESPONSE PLAN (USRBDPRP)

The following conservation measures are recommended for voluntary compliance in a drought warning:

- Reduce **lawn and athletic field watering** to the hours of 9:00 p.m. and 10:00 a.m. and avoid sprinklers when feasible
- Reduce **washing of sidewalks, driveways, parking lots or any other paved surface** except in the case of meeting health and safety standards
- Reduce **washing or cleaning of mobile equipment** including automobiles, trucks, trailers, and boats
- Reduce operation of ornamental fountains, artificial waterfalls, misting machines, and reflecting pools
- Reduce filling and topping off outdoor **swimming pools**
- Reduce serving water in **restaurants, clubs, or eating-places** unless requested

A fuller description of conservation measures and tips may be found in Appendices C & D of the USRBDPRP or on the Water Conservation page of the Public Utilities website



## **RECOMMENDED ACTION**

Pass a resolution declaring a drought warning and request residents and businesses take voluntary water conservation measures as outlined in Appendices C & D of the Upper Shenandoah River Basin Drought Preparedness and Response Plan.