

NOTICE AND CALL OF MEETING

LAS VEGAS VALLEY WATERSHED ADVISORY COMMITTEE

Tuesday, April 9, 2024, 2:00 p.m.
MEETING TO BE HELD VIRTUALLY

Join Microsoft Teams Meeting: **1-323-776-6758** / Conference ID: **236 522 586 994**

The Las Vegas Valley Watershed Advisory Committee makes reasonable efforts to assist and accommodate persons with physical disabilities who desire to attend the meeting. For assistance, please contact Keiba Crear at (702) 822-3388 at least 48 hours in advance of the meeting.

Visit our website at www.snwa.com for Las Vegas Valley Watershed Advisory Committee agenda postings, copies of supporting material and approved minutes. To receive meeting information, including supporting material, contact the Agenda Coordinator at (702) 258-3277 or agendas@snwa.com.

This meeting will be held via remote technology only pursuant to NRS 241.023, as amended by assembly bill 253 of the 81st legislative session, effective May 31, 2021. There will be no physical location for the meeting. Members of the public may hear, observe and participate in the meeting via the meeting link or telephone number identified above. If a member of the public is interested in viewing this meeting online or providing public comment, please e-mail jason.bailey@lvvwd.com no later than 5:00 p.m. on April 8, 2024, to receive remote access.

Any Committee member may combine two or more agenda items for consideration, consider an item out of order, remove an item from the agenda or delay discussions relating to an item on the agenda at any time.

COMMENTS BY THE GENERAL PUBLIC

NO ACTION MAY BE TAKEN: This is a period devoted to comments by the general public pertaining to items on this agenda. If you wish to speak to the Committee about items within its jurisdiction, but not appearing on this agenda, you must wait until the "Comments by the General Public" period listed at the end of this agenda. Please limit your comments to three minutes or less. No action may be taken upon a matter not listed on the posted agenda.

ITEM NO.

1. *For Information Only:* Introductions
2. *For Possible Action:* Approve October 17, 2023 Meeting Minutes
3. *For Possible Action:* Select a Chair and Vice Chair for the Las Vegas Valley Watershed Advisory Committee (LVVWAC)
4. *For Information Only:* Receive an Informational Update on Items Related to the LVVWAC that may appear on Future Regular Board Meetings of LVVWAC Members' Appointing Agencies
5. *For Possible Action:* Approve Five-Year Interlocal Agreement to Establish Funding Allocations and the Budget for Las Vegas Wash Long-Term Operating Plan Actions
6. *For Possible Action:* Approve 2022–2023 Accomplishments Document
7. *For Information Only:* Receive an Update from Wastewater Dischargers
8. *For Information Only:* Receive an Update on the Stormwater Quality Management Committee
9. *For Information Only:* Receive an Update from Members and Staff Regarding Water Resources, Stormwater, Wastewater and Water Quality, Including but Not Limited to Regulations, Permitting and Status of the Lower Las Vegas Wash
10. *For Possible Action:* Set Next Meeting Date and Propose Items for the Next Meeting's Agenda

COMMENTS BY THE GENERAL PUBLIC

NO ACTION MAY BE TAKEN: At this time, the Committee will hear general comments from the public on matters under the jurisdiction of the LVVWAC. Please limit your comments to three minutes or less.

Approved:

Charles Trushel

Charles Trushel, Chair

Las Vegas Valley Watershed Advisory Committee

THIS MEETING HAS BEEN PROPERLY NOTICED AND POSTED IN THE FOLLOWING LOCATIONS:

City of Boulder City, City Hall
401 California Avenue
Boulder City, NV 89005

City of Henderson, City Hall
240 Water Street
Henderson, NV 89015

Las Vegas Valley Water District
1001 S. Valley View Boulevard
Las Vegas, NV 89153

Clark County Water Reclamation District
5857 E. Flamingo Road
Las Vegas, NV 89122

City of North Las Vegas, City Hall
2250 Las Vegas Boulevard North
North Las Vegas, NV 89030

Clark County Government Center
500 S. Grand Central Parkway
Las Vegas, NV 89155

Southern Nevada Water Authority
100 City Parkway, Ste. 700
Las Vegas, NV 89106

City of Las Vegas, City Hall
495 S. Main Street
Las Vegas, NV 89101

Regional Water Quality Plan 2022 & 2023 ACCOMPLISHMENTS

Las Vegas Valley Watershed Advisory Committee

April 9, 2024

GOAL ONE

Protect Lake Mead as a source of water for Southern Nevada and downstream users

- Continued to implement the Las Vegas Wash Surface Water Quality Monitoring and Assessment Plan
- Conducted water quality sampling and analysis in Lake Mead, Las Vegas Wash, Muddy River, Virgin River and Colorado River above Lake Mead and below Hoover Dam
- Leveraged the Lower Colorado River Water Quality Database — a database utilized by agencies in the lower Colorado River region to facilitate data sharing
- Expanded the capabilities of the Lake Mead Model to forecast potential water quality conditions under future water surface elevation scenarios

GOAL ONE

Protect Lake Mead as a source of water for Southern Nevada and downstream users

- Revegetating about 14 acres along the Las Vegas Wash to protect against erosion and limit sediment and contaminant movement to Lake Mead
- Continuing implementation of and compliance with the existing Las Vegas Valley National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit
 - New Permit expected in 2024
- Continuing wastewater pre-treatment programs to monitor and prevent contaminants and industrial wastes from entering the wastewater collection system.
- Continued to operate, innovate and expand collection and treatment systems for wastewater.
- Continued researching and identifying implications of PFAS regulation on the clean water community, including support of a statewide sampling program being implemented by the NDEP.

GOAL TWO

Meet or surpass federal, state and local standards and regulations

- Continued year-round phosphorus removal at wastewater treatment facilities to meet the 334 pounds-per-day waste load allocation for total phosphorus, surpassing permit requirements
- Continued year-round ammonia removal
- Developed and exceeded internal goals for minimizing sanitary sewer overflows
- Continued implementation of and compliance with the Las Vegas Valley NPDES MS4 Permit including wet and dry weather monitoring programs

GOAL TWO

Meet or surpass federal, state and local standards and regulations

- Performed treatment studies that examined the removal of unregulated contaminants: EDCs, PFOS, and PFOA
- Completed development of site-specific criteria for selenium in the Las Vegas Wash in partnership with the NDEP
- Southern Nevada's water quality continues to meet or surpass state and federal drinking-water regulations
- COH, CLV and CCWRD earned the National Association of Clean Water Agencies Platinum Peak Performance Award
- Continued coordination and cooperation with SNWA, CNLV, University of Nevada, Las Vegas, and other partners (Biobot) to sample, analyze and study wastewater epidemiology as a method of monitoring and predicting COVID-19 virus pervasiveness in the community;

GOAL THREE

Preserve and enhance the natural, cultural, historic and recreational values of the watershed and Lake Mead

- The Las Vegas Wash Project Coordination Team(Wash Team) surveyed for federally threatened and endangered (T&E) bird species at the Las Vegas Wash
- The Wash Team continued the general invertebrate inventory
- An estimated 13,565 pounds of trash and debris were removed from the Wetlands Park by volunteers and 960 cubic yards of trash and debris were removed from the Upper Diversion Weir
- COH provided and managed recreational opportunities in the Bird Viewing Preserve, hosting more than 46,000 visitors in 2022 and 2023

GOAL THREE

Preserve and enhance the natural, cultural, historic and recreational values of the watershed and Lake Mead

- Provided cultural resource reviews for weir maintenance activities, identifying no impacts.
- Monitored weeds at the Las Vegas Wash and focused control efforts
- Continued to monitor and evaluate quagga mussel populations in Lake Mead
- Worked with NDOW on removal efforts for the Australian Redclaw crayfish at the Wetlands Park.
- Monitoring Lake Mead for harmful algal blooms and associated toxins;

GOAL FOUR

Sustain and coordinate water resources for future generations

- The Wash Team implemented the Las Vegas Wash Long-Term Operating Plan
- Crews removed 695 truckloads of clean spoils and vegetation and reestablished the lines and grades of three weirs to their original designed and constructed positions
- COH, CLV, CNLV and CCWRD reclaimed 100 percent of their wastewater effluent
- The Lake Mead Model was used to forecast changes with changing water levels in Lake Mead to better advise planning for water and wastewater treatment needs

GOAL FOUR

Sustain and coordinate water resources for future generations

- CCWRD and SNWA (and its member agencies) continued a septic conversion program
- Enforcing policies aimed at reducing water use
- Approving revisions to Las Vegas Valley Water District service rules that aid in water conservation
 - removing non-functional grass
 - limiting the size of residential pools
 - prohibiting evaporative cooling in new development
 - prohibiting new golf course development
- CLV continued beneficial use of biosolids and exploration to sell biogas generated by its anaerobic digesters

GOAL FIVE

Manage flood risks

- Continued implementation of the Master Plan for Flood Control Facilities
- Spent \$23 million on the maintenance work program to ensure efficient operation of the flood control network
- Continued to expand and maintain the Flood Threat Recognition System
- Carried out extensive public outreach efforts in person and through the range of media options

GOAL SIX

Build community awareness and support for regional watershed management

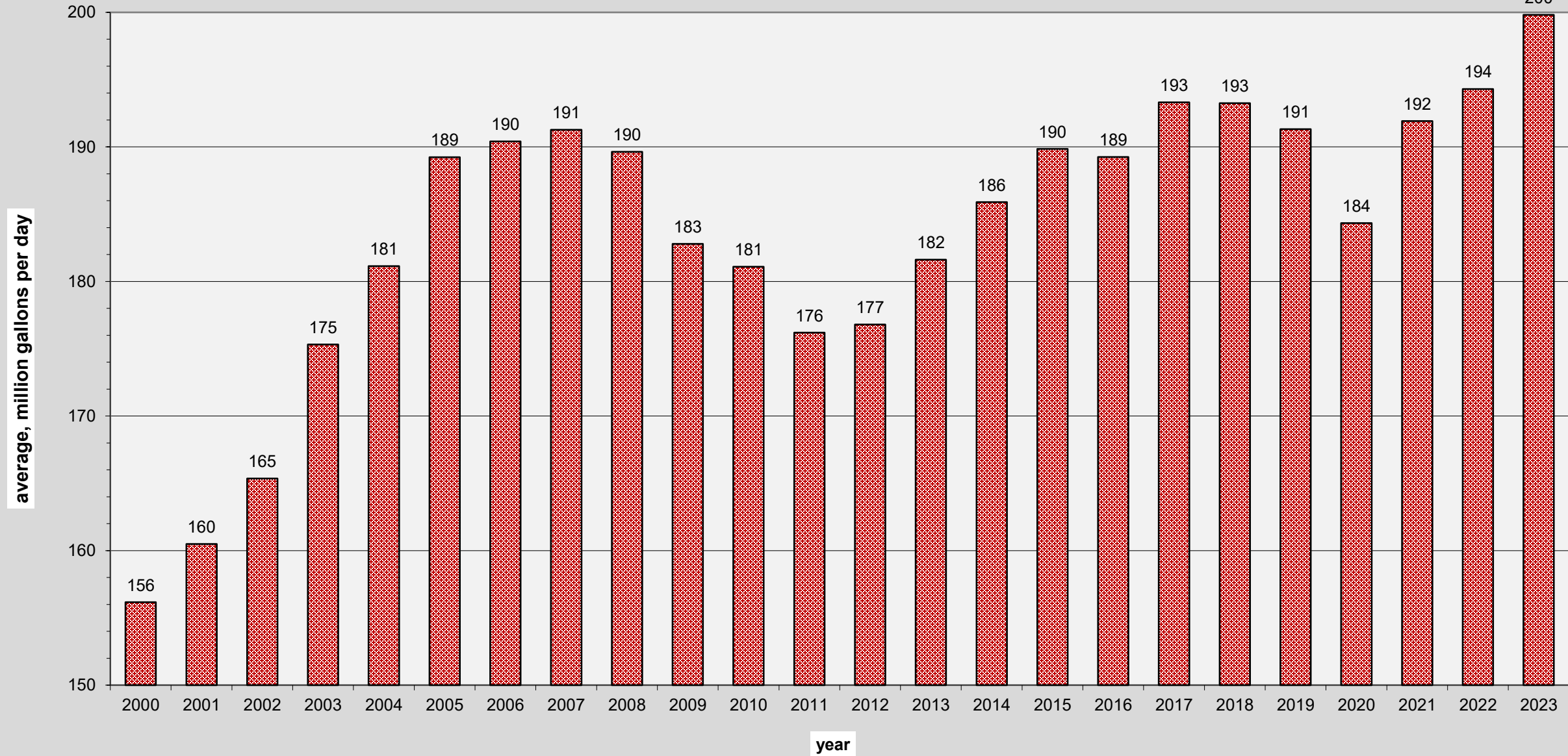
- Implemented education and outreach grants from NDEP on non-point source pollution including events with Mabel Hoggard fifth graders and two Wash Green-Ups
- Received an estimated 908,227 total visitors at the Wetlands Park
- Logged nearly 18,000 volunteer hours at the Wetlands Park
- Educated the community
 - 47 events, More than 13,000 people
 - World Wetlands Day science symposium for high school students
 - Planting events for the Howard Hughes Corporation and Hilton Hotels

CCWRD UPDATE FOR LVVWAC
APRIL 9, 2024
DAN FISCHER



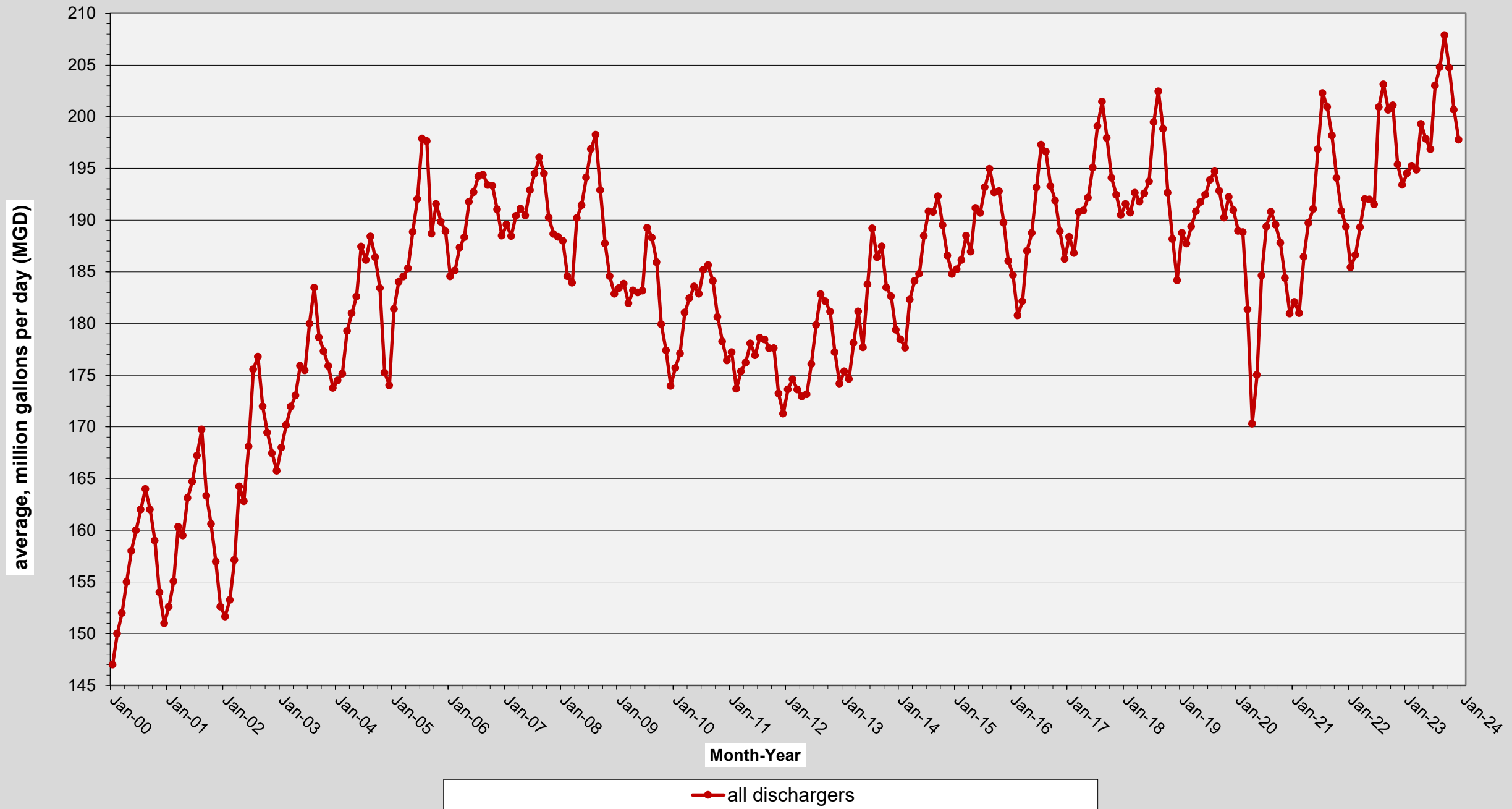
The
"Clean
WaterTeam"

Influent Flows (all dischargers, annual average)

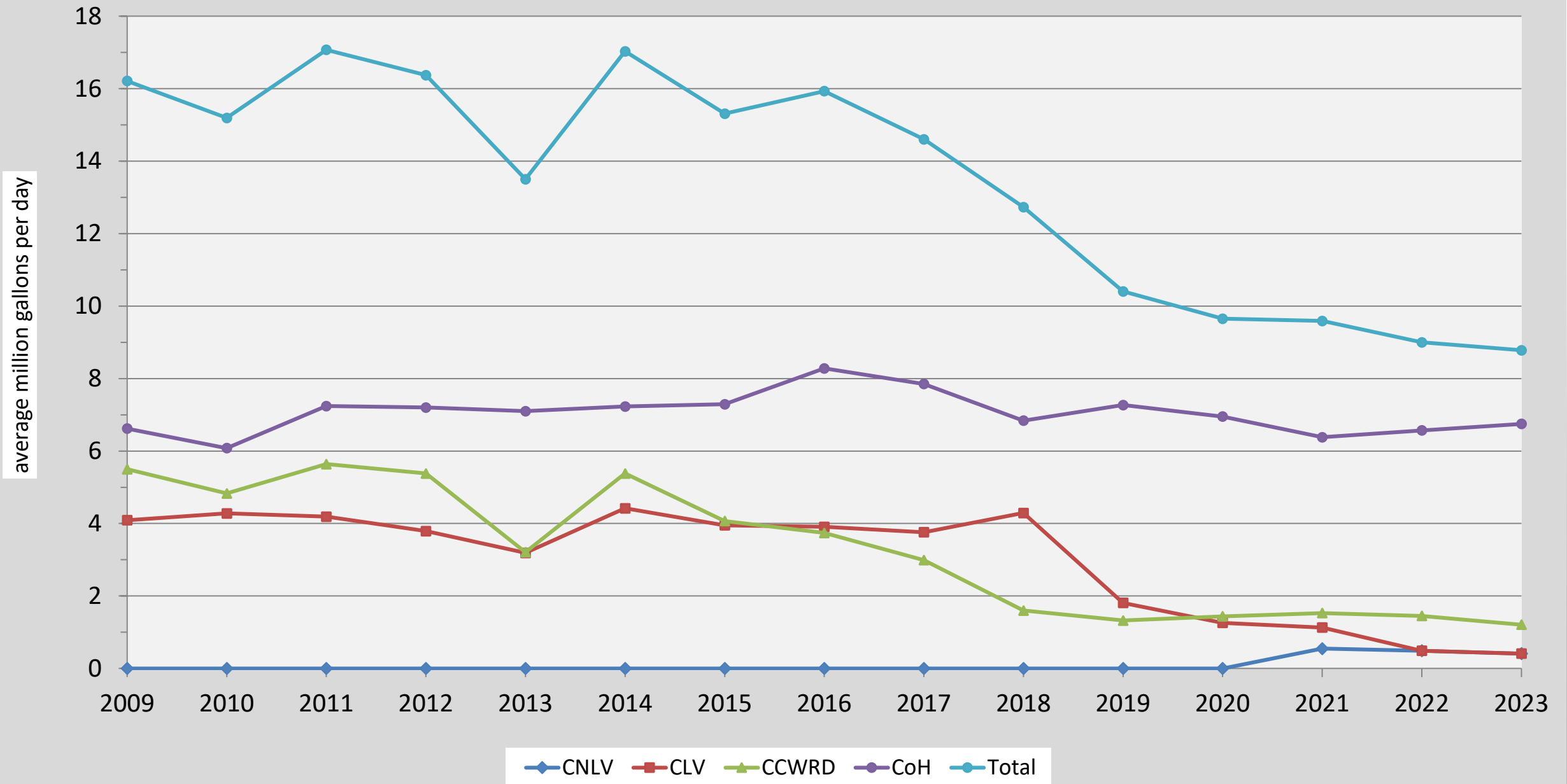


■ all dischargers, annual average

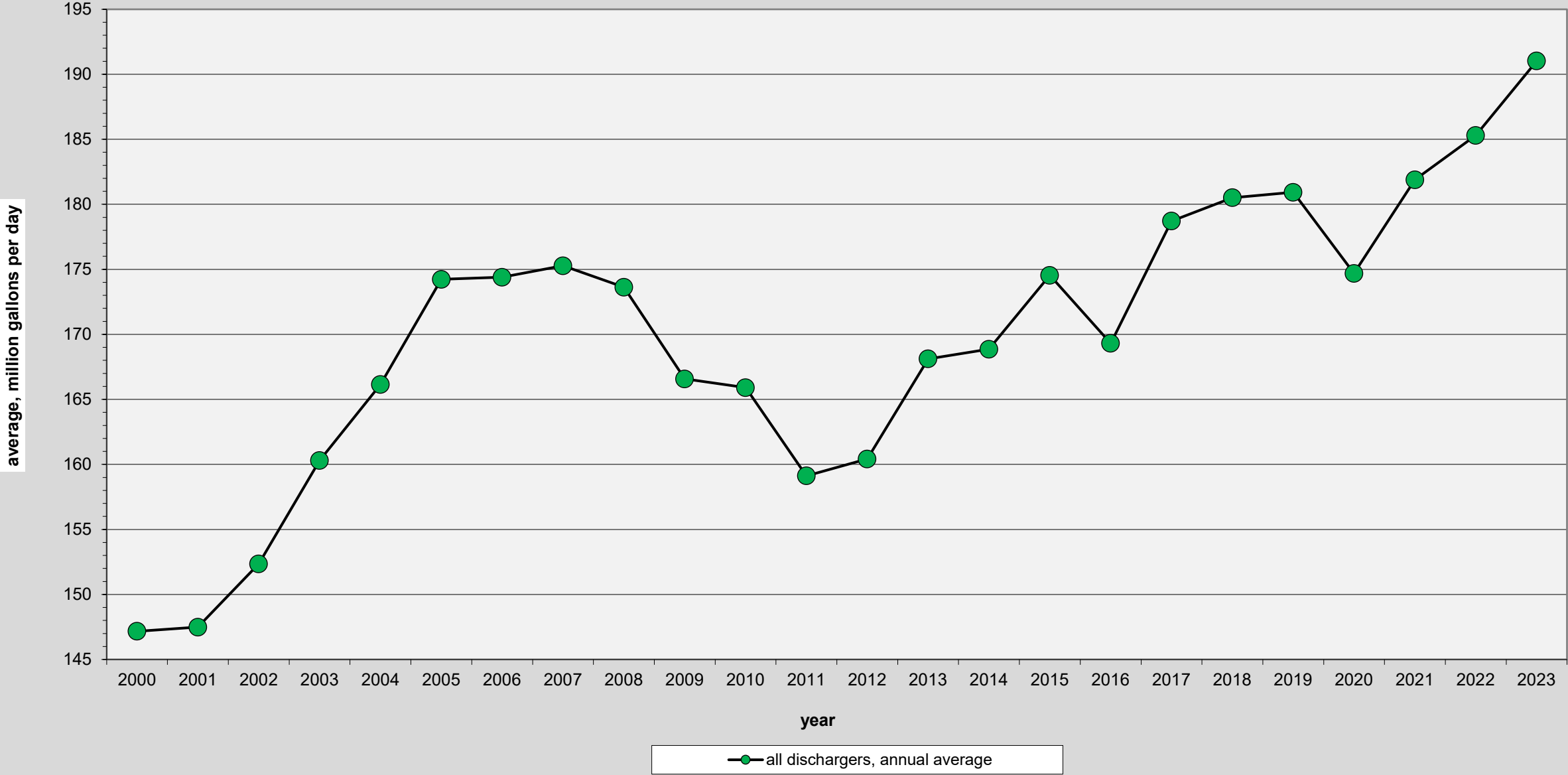
Influent Flows (all dischargers, monthly average)



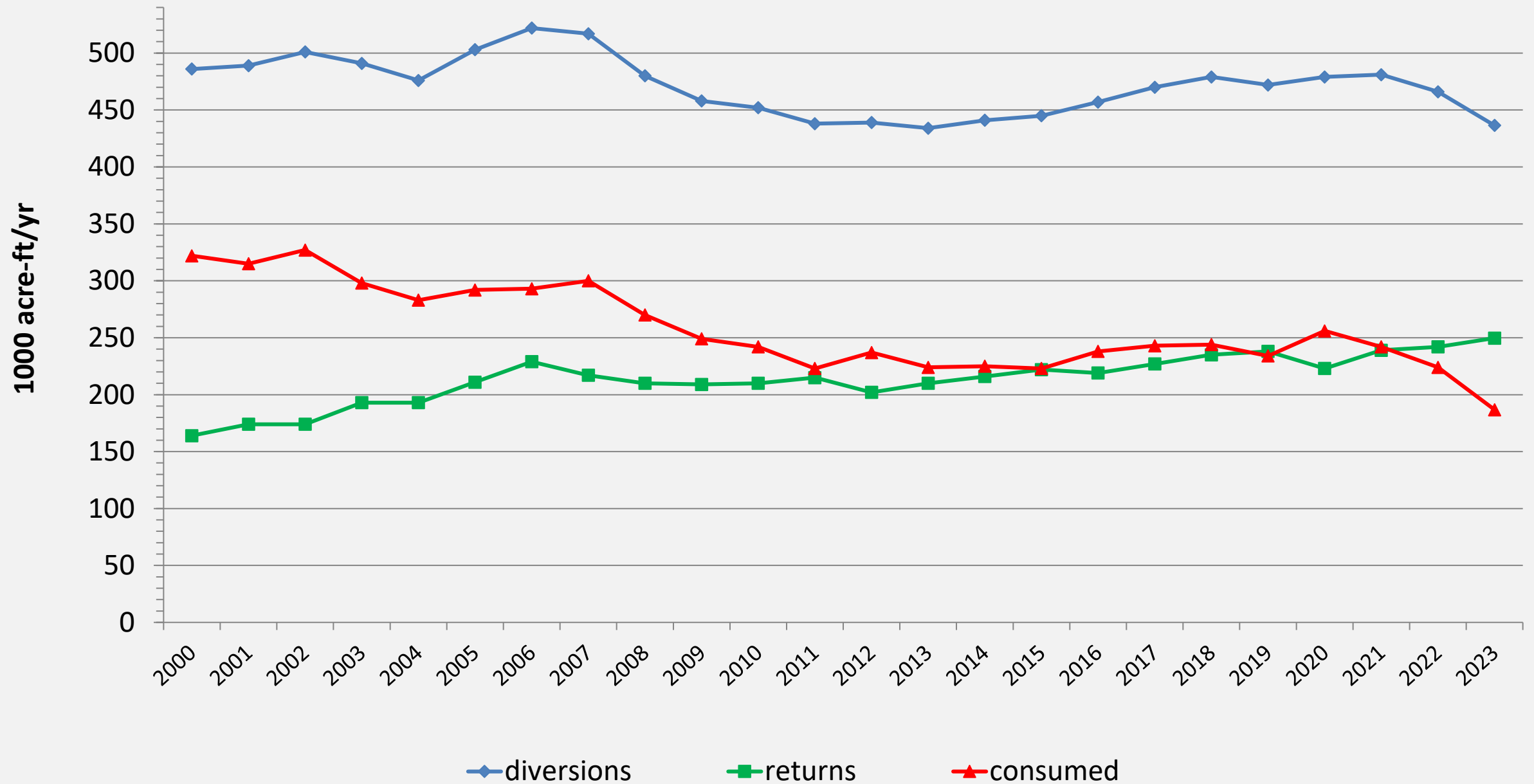
Direct Non-Potable Reuse



Effluent to Wash (all dischargers, annual average)



Nevada's Consumptive Use of the CO River



IMPACT OF INDOOR CONSERVATION CCWRD FLOW VS. STRENGTH

year	flow influent		loadings sludge cake		strength index sludge cake/flow	
	Mgal/day	change	dry tons/day	change	dry tons/MG	change
2018	105.8		98.1		0.93	
2023	108.2	2%	115.6	18%	1.07	15%

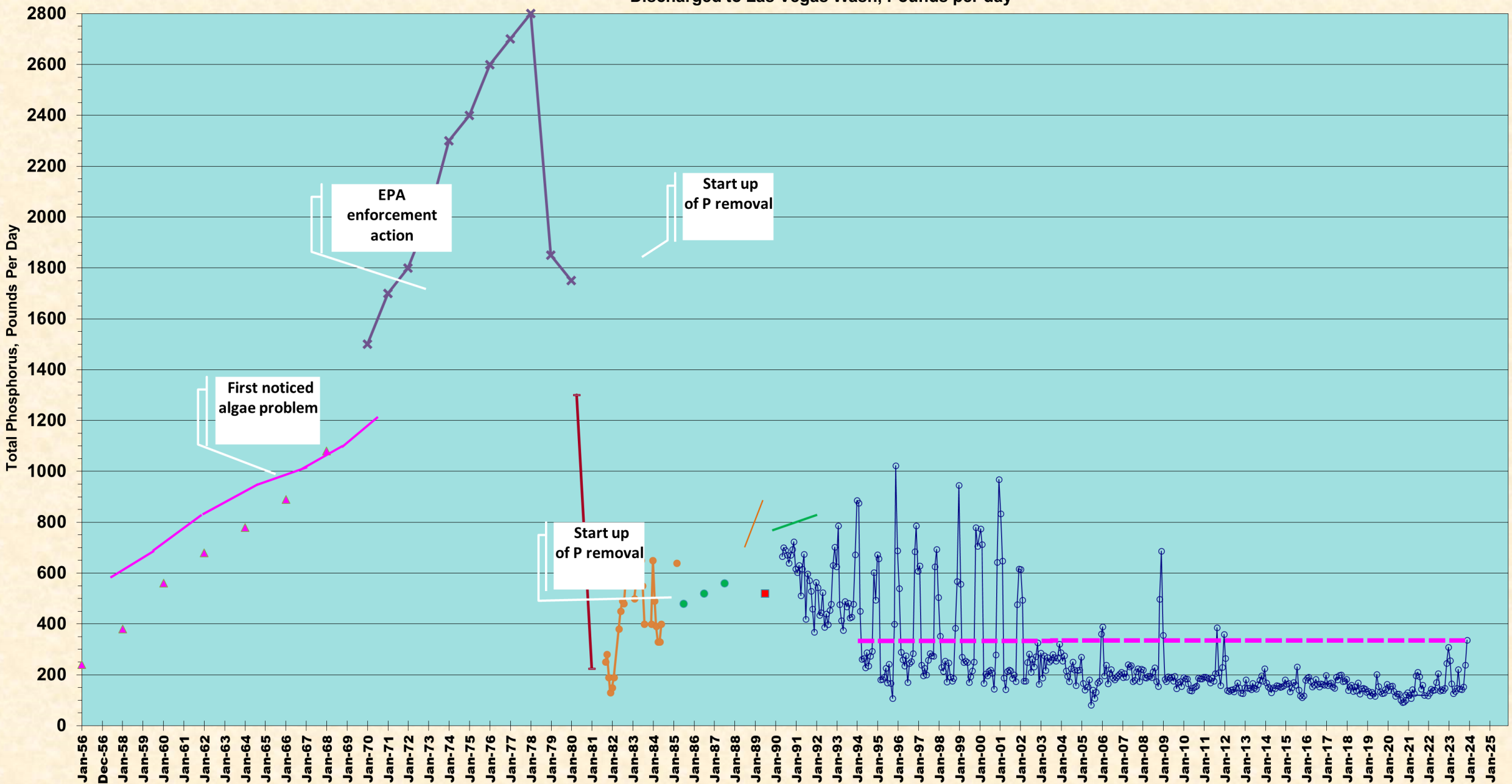
2023 COLLECTION SYSTEM ACCOMPLISHMENTS

- Effectively maintained:
 - 2400 miles of pipe
 - 51,000 manholes
 - 24 lift stations
- Completed 1,000 sand/oil interceptor, 3000 grease interceptor, and 100 mechanical interceptor inspections
- Experienced 8 SSOs
 - 0.3 SSOs/100 miles of pipe
 - EPA standard is 2 SSOs/100 miles of pipe
- Received 5 odor complaints related to our collection systems
- Recovered and recycled 260,00 gallons of grease from the FWRC and 126,00 gallons from Lift Stations

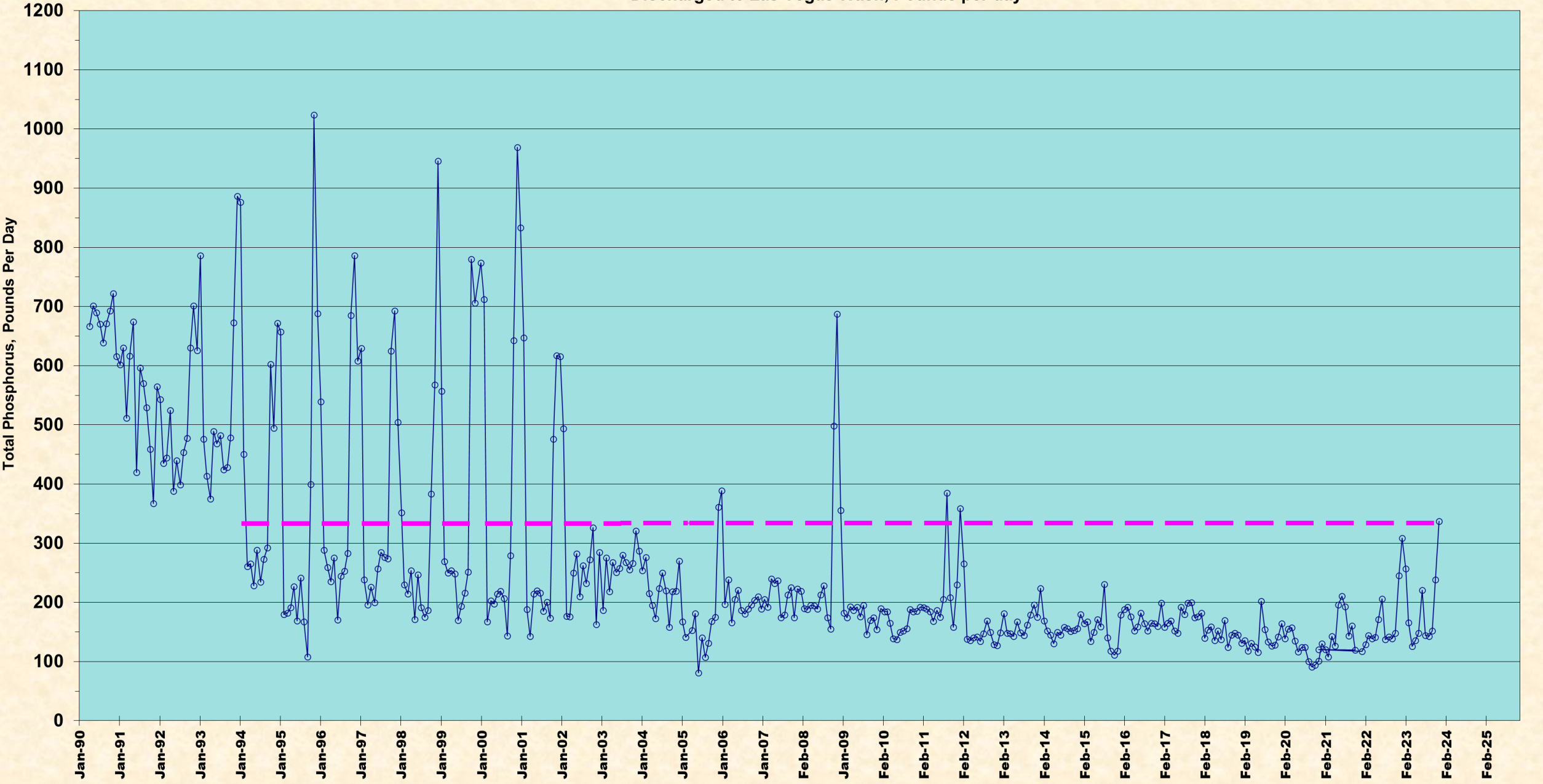
2023 TREATMENT PLANT ACCOMPLISHMENTS

- treated 40.0 billion gallons of sewage at 6 wastewater treatment plants (for the lovers of zeros that is 40,000,000,000 gallons)
- returned a total of 125,000 acre-ft of reclaimed water to the Colorado River System from our Flamingo and Laughlin plants
- NACWA Peak Performance Awards
 - Flamingo – Platinum 12
 - Laughlin – Platinum 11
 - Moapa Valley – Gold
 - Indian Springs – Gold
- Flamingo phosphorus removal, effluent total phosphorus
 - TMDL – 0.20 mg/L, internal CCWRD goal – 0.10 mg/L
 - Annual avg. – 0.07 mg/L, 99% removal
- Recovered from a five-hour Flamingo plant-wide power failure on July 9, 2023

ESTIMATED DISCHARGERS' EFFLUENT AVERAGE DAILY TOTAL PHOSPHORUS
Discharged to Las Vegas Wash, Pounds per day



ESTIMATED DISCHARGERS' EFFLUENT AVERAGE DAILY TOTAL PHOSPHORUS
Discharged to Las Vegas Wash, Pounds per day



CCWRD CAPITAL IMPROVEMENT PROGRAM

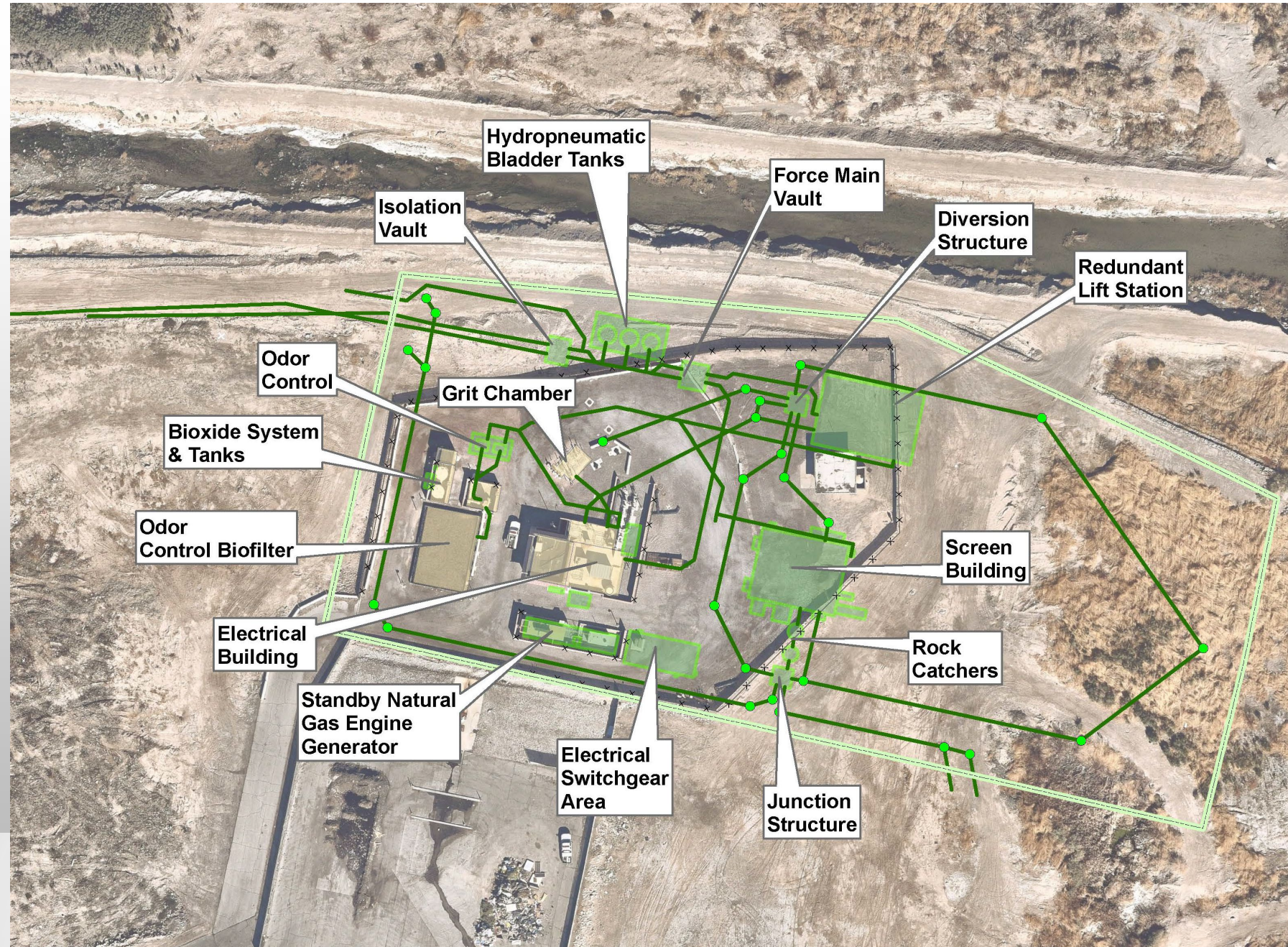
Facility	5 Year CIP FY 24-28	
	\$M	major projects
Flamingo Water Resource Center	\$740	Preliminary/Primary/Secondary expansions; DAFT 5; sludge thickening; demolition of abandoned facilities
LV Valley Collection System	\$360	Whitney and Lincoln Lift Stations; Crosstown Interceptors; Capacity Upgrades; Oversizing
Outlying Areas	\$76	Laughlin Lift Station and Force Main; Moapa Valley Lift Station and Force Main
Reclaimed/Reuse	\$3	System Improvements for on-plant systems
O&M Capital	\$55	Plant and Collection System Rehabilitations; Rapid Response
Administration/Engineering	\$65	Administration, Professional/Engineering Services
Total	\$1.3 B	

Current 15-year CIP projection is \$2.2B.



WHITNEY LIFT STATION

- \$60M CMAR
- 100% design
- 2024 - 2027
- New redundant lift station to 12 MGD
- New flood wall
- Rock catchers and screenings
- Electrical and generator redundancy
- New 20-inch force main to plant



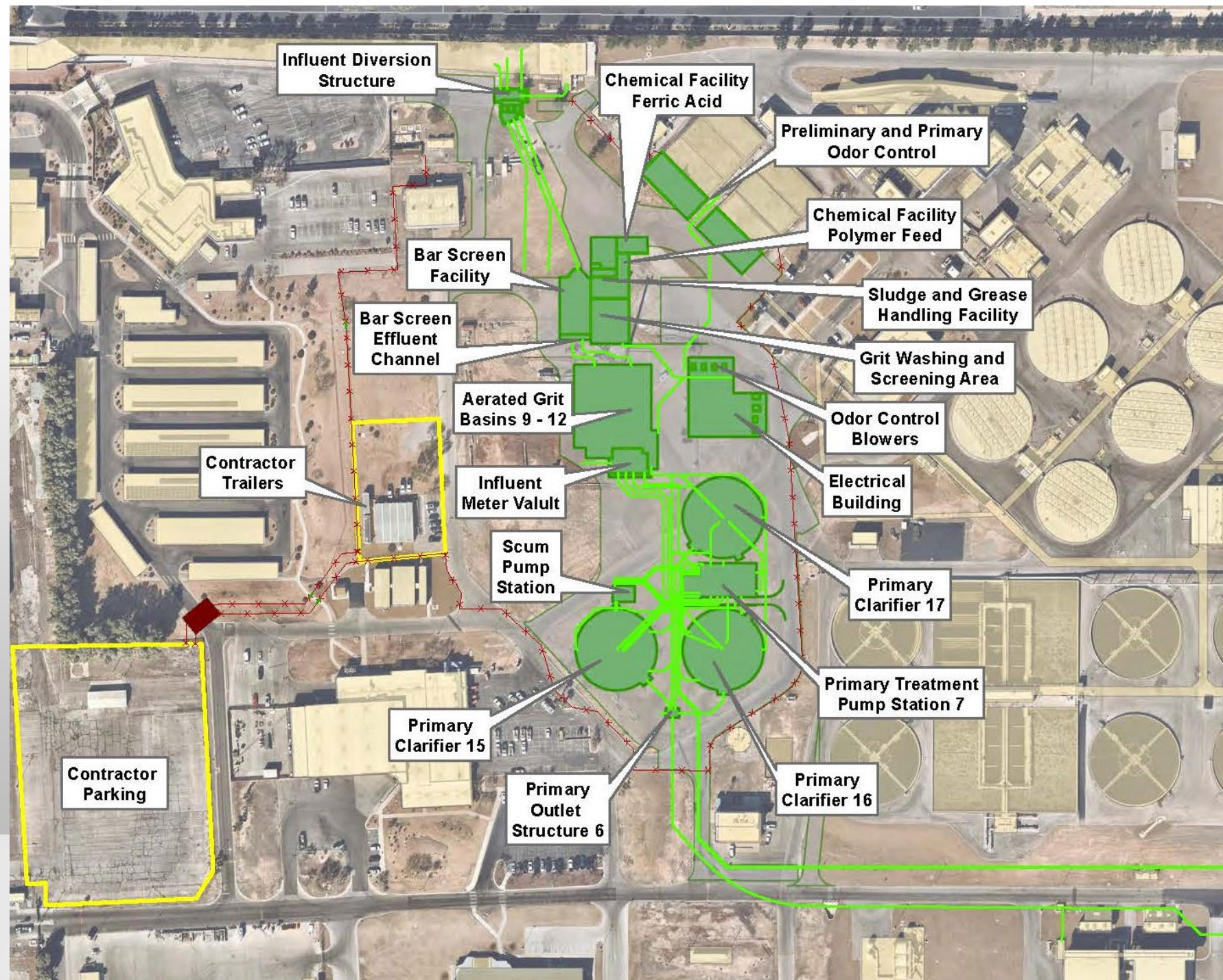






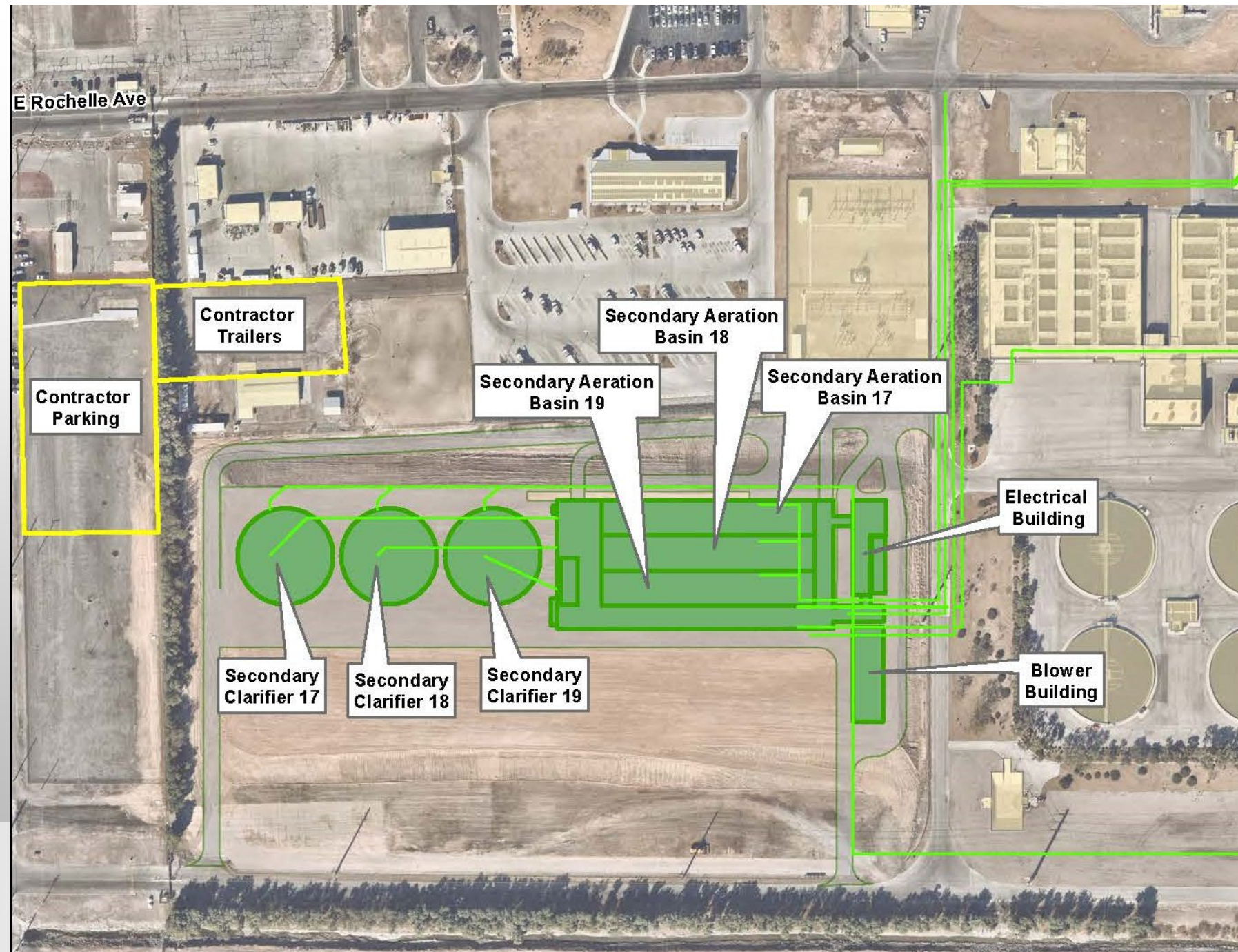
PRELIMINARY AND PRIMARY TREATMENT

- \$210M CMAR
- 30 MGD
- Construction 44% complete
- Final Completion October 2025
- New Bar Screen Facility
- 4 Grit Basins
- New Blower Facility
- Odor Control Biofilters
- 3 Primary Clarifiers
- Primary Sludge Pumping Station



SECONDARY TREATMENT

- \$240M CMAR
- 30 MGD
- construction 10% complete
- Final completion May 2027
- 3 Aeration Basins
- 3 Secondary Clarifiers
- Blower Facility
- Electrical Building



the end, questions?

Dan Fischer

dfischer@cleanwaterteam.com



City of Las Vegas

LVWAC Annual Update
April 9, 2024

PW/ENVIRONMENTAL
DIVISION





Wastewater Infrastructure

WPCF

- 47.5 MGD Average
- Reuse for two Golf Courses
 - 3 MW Solar Site

DHWRC

- 10 MGD Capacity
- Currently off-line

LMLS

- 1 MGD Average

Collection System

- 1,916 Miles of pipeline (8-inch to 104-inch)
- 46,000+ Manholes





Significant Achievements in 2023

Wastewater Treatment

- 17.4 billion gallons treated (47.5 MGD average)
- 151 million gallons of reclaimed water distributed, down from 177 MG in 2022
- Over 67,000 tons of biosolids disposed or repurposed (42K tons and 25K tons)

NACWA
THE VOICE FOR A CLEAN WATER FUTURE



Peak Performance
AWARDS

- WPCF received the NACWA Peak Performance Platinum Award for 24 years of full permit compliance in CY2022



Significant Achievements in 2023

Lake Mead Sampling Program

- Annual Lake Mead & LV Wash Sampling Plan and Reports
- Repower of Boston Whaler (\$100K)
- Cooperative agency involvement
- National Park Service Water Quality Monitoring Permit renewed until 2039
- Appreciate support from agencies during WPCF Filtration bypass periods early/late in 2023. Thank You!



WPCF Capital Improvements

Design Phase

- Dewatering Facility Rehabilitation (\$25M estimate, @100%)
- Headworks Facility Rehabilitation (\$45M estimate, CMAR @5%)
- WPCF Laboratory Rehabilitation/Expansion (\$8.5M estimate, @0%)

Construction Phase

- Filtration Facility Rehabilitation (\$28M @95% completion)
- Process Air Improvements (\$35M @30% completion)
- BNR Clarifier Replacements (\$10M @kickoff)



WPCF Filtration Rehabilitation Highlights





WPCF Filtration Rehabilitation Highlights



Questions?



PW/ENVIRONMENTAL
DIVISION





Utility Services

LVVWAC Annual Update: April 9, 2024

2023 Significant Achievements

Wastewater Treatment

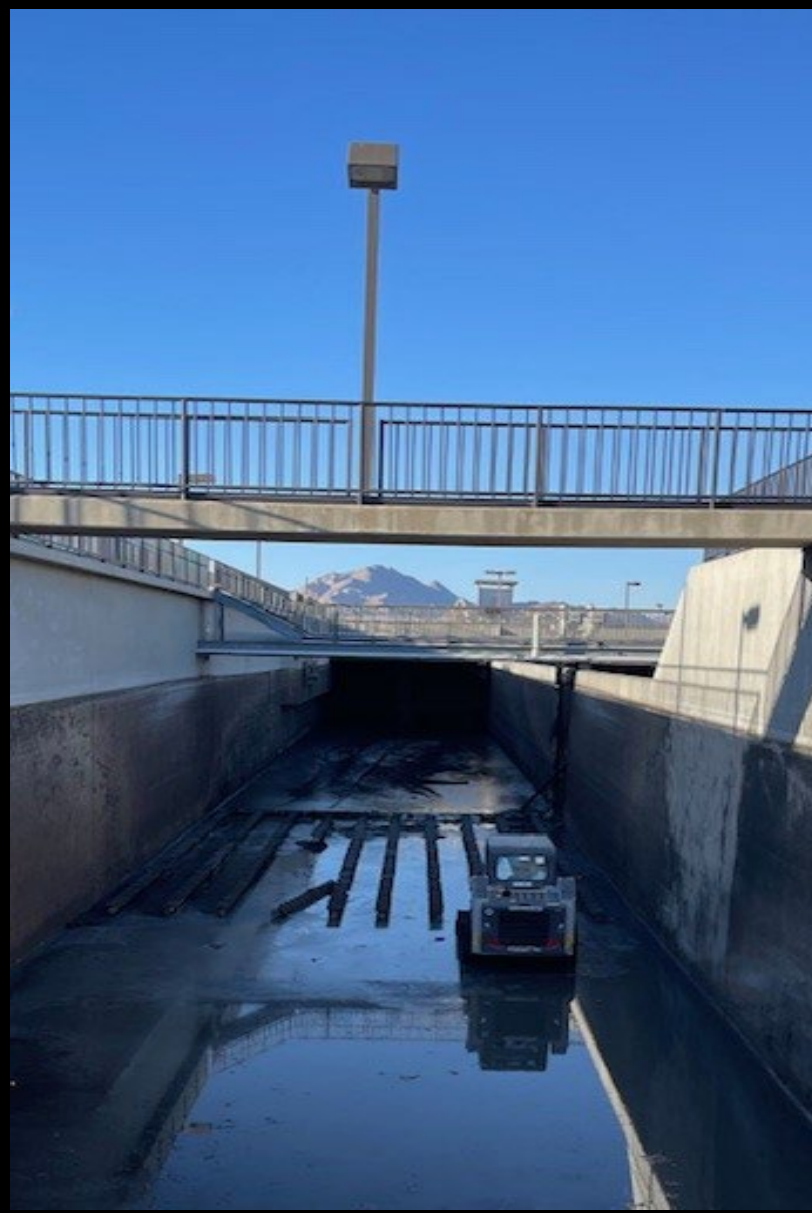
- 9.1 billion gallons treated
- 2.45 billion gallons reclaimed water delivered (50-million-gallon reduction from 2023)
- 0.0 permit violations
- Received NACWA Platinum Award for 19 years of full permit compliance





2023 Significant Achievements

- Projects
- SWRF Membrane upgrade plan
 - Replaced 3 trains. Part of 3-year staged project to upgrade membranes with more efficient model. 6 trains completed, 2 remaining (scheduled for FY25)
 - 24 cassettes/1092 modules

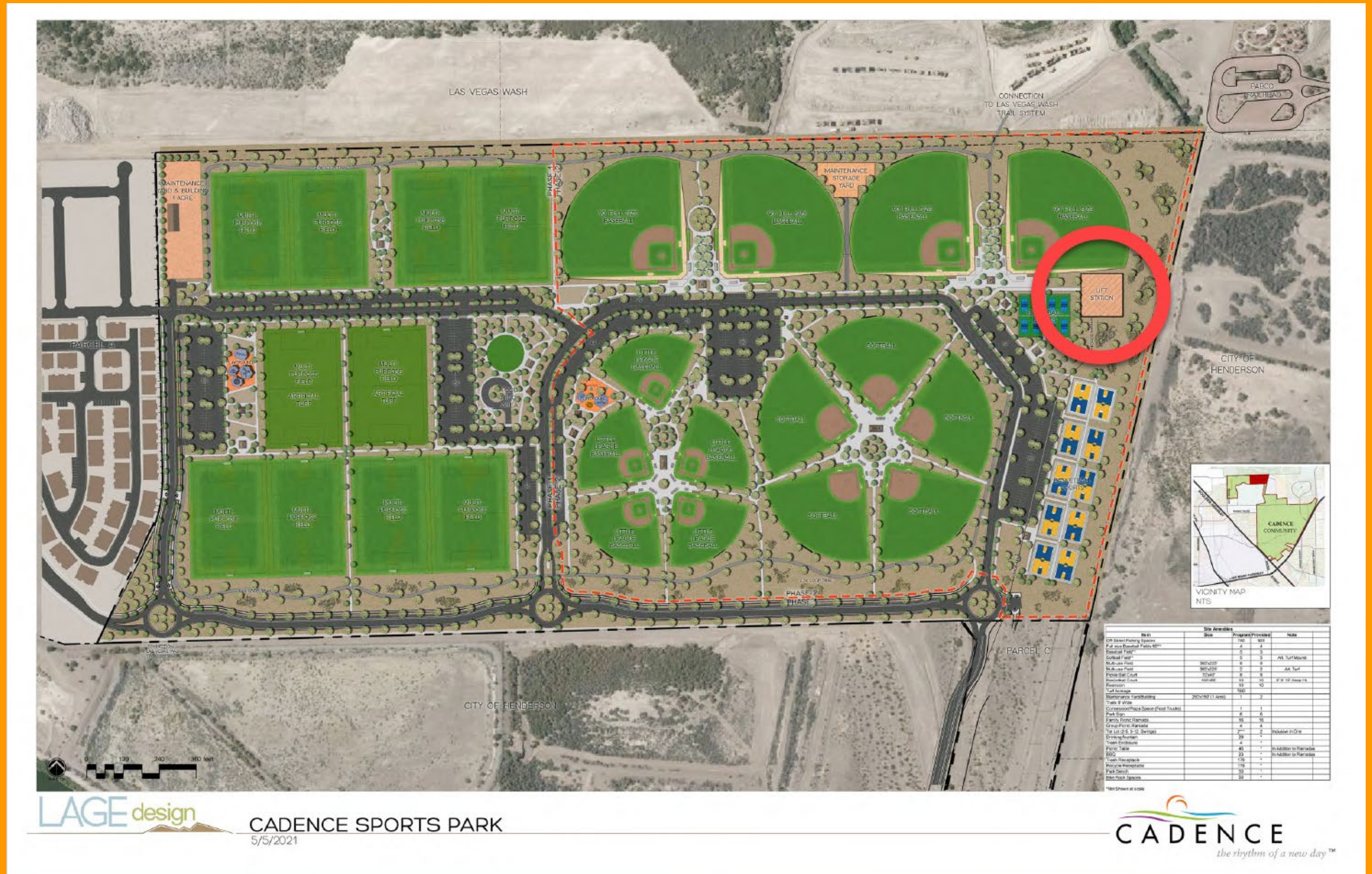


2023 Significant Achievements

- Projects
 - WRF
 - Removal of 500 tons of grit from Oxidation Ditch 2

Cadence Lift Station

- Construction Phase**
- 3 MGD build-out**
- 3275 ERU**
- Henderson's largest lift station**
- Completion Fall 2024**



Cadence Lift Station



Phase 4 KRSWRF Plant Expansion

Design completion, beginning construction phase

12 mgd capacity expansion, select process enhancements

12MGD BNR basin

6 deep bed filtration structure

125' dia. Secondary Clarifier

Additional Influent Pumps (1 process, 2 Equalization)

Software updates to Headworks and Influent Pump Station

Grit line repairs

Significant completion date:

December 26th 2025

HENDERS^{ON}

Jacobs

MCCARTHY

HENDERS^{ON}



HENDERSO^N

Jacobs

MCCARTHY[®]

HENDERSO^N



THANK YOU



CITY OF NORTH LAS VEGAS

LVVWAC WASTEWATER DISCHARGERS UPDATES 2024



CITY OF NORTH LAS VEGAS

- CNLV POPULATION: 274,000
- 79,345 SEWER LATERALS
- 1,209 MILES OF SEWER PIPE



WATER RECLAMATION FACILITY

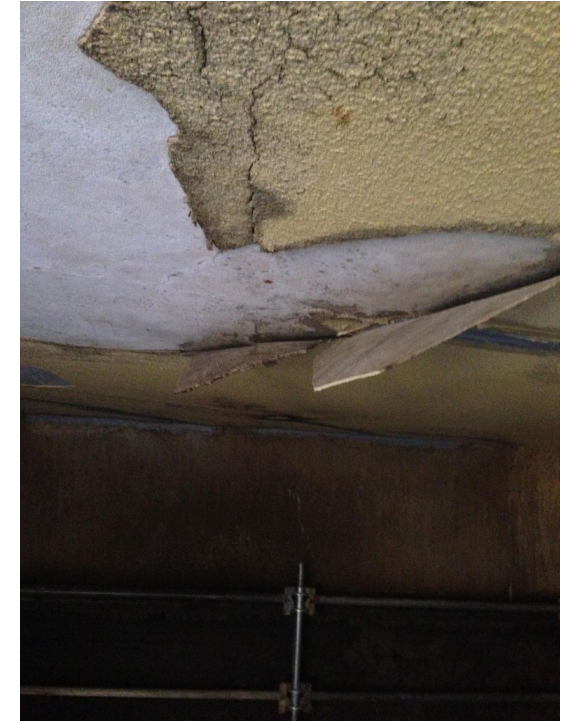
- WATER RECLAMATION FACILITY CAME ONLINE JUNE 2011
- MEMBRANE BIOREACTOR FACILITY WITH ENHANCED BIOLOGICAL NUTRIENT REMOVAL
- 30 MGD ADF CAPACITY
- 6 BIOREACTORS AND 12 MEMBRANE TRAINS
- AVERAGE DAILY INFLUENT FLOW OF 20.4 MGD
- FINAL EFFLUENT DISCHARGES TO THE LAS VEGAS WASH
- SOLIDS ARE DEWATERED UTILIZING GBT'S, CENTRIFUGES AND DISPOSED OF IN THE APEX LANDFILL





BIOREACTOR COATING PROJECT

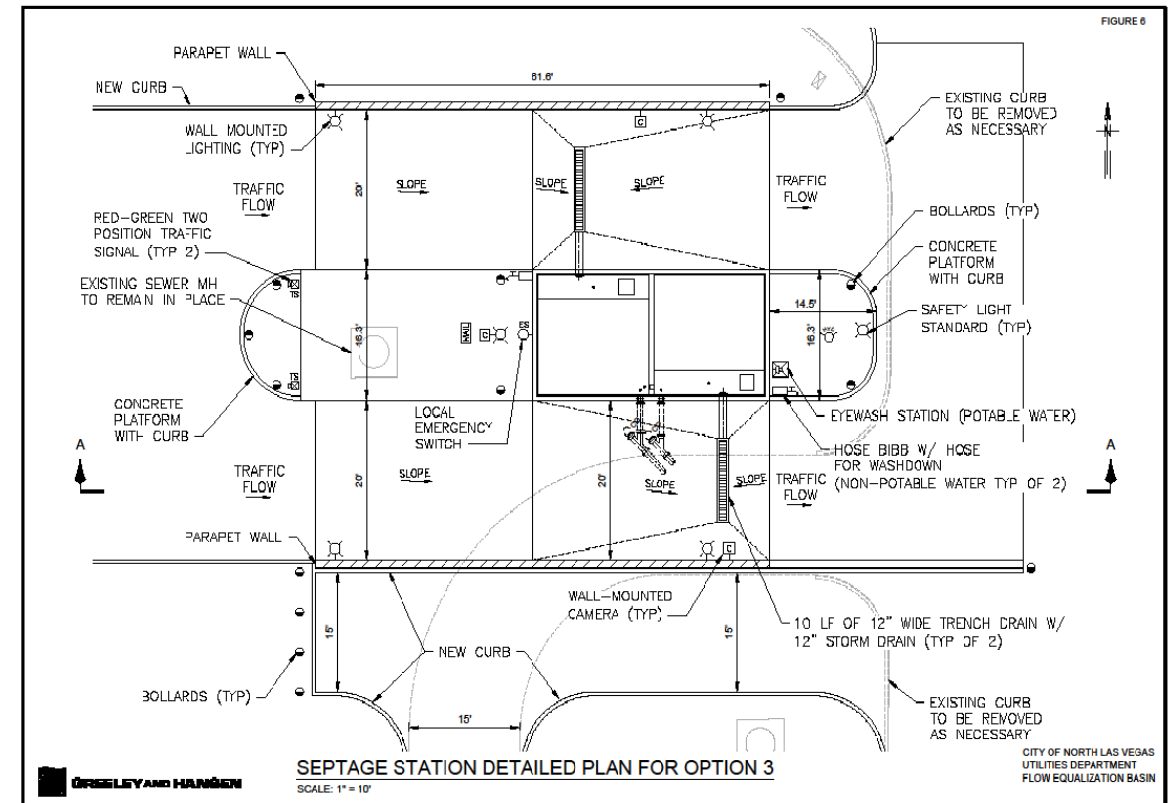
- BIOREACTOR COATING PROJECT TO ENTER BID PHASE
- PROCEED WITH 1 OR 2 BIOREACTORS PER YEAR
- SURFACE PREP AND COATING OF CONCRETE AND METALLIC SURFACES AT AND ABOVE OPERATING LEVEL IN BIOREACTORS UPSTREAM OF THE AERATION ZONE





SEPTAGE DUMP STATION

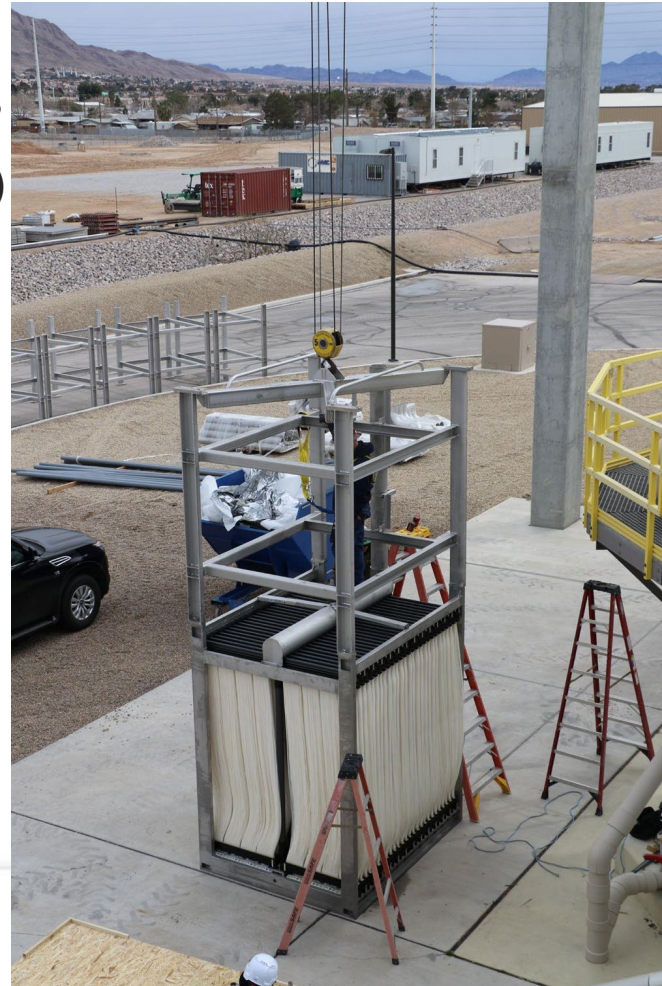
- CNLV TO OFFER DUMP STATION FOR GARNET CUSTOMERS UNTIL INFRASTRUCTURE IS IN PLACE
- MULTIPLE TRUCK LOAD OUT
- ANTICIPATING 2-3 LOADS PER DAY IN 2024





MEMBRANE CASSETTE EXPANSION AND REPLACEMENT

- 6 TRAINS POPULATED WITH NEW CASSETTES
- 52 MODULE CASSETTES OF 430SQ FT ZEEWEED 500D MODULES
- REPLACING 12 YEAR OLD 48M CASSETTES (340SQ FT MODULES)
- EXPAND AVERAGE DAILY FLOW CAPACITY FROM 30 MGD TO 35MGD BY 2026





INFLUENT BYPASS OPERATIONS

- FULL BYPASS OF EAST BIOREACTOR INFLUENT CHANNEL TO DIAGNOSE AND REPAIR DAMAGE
- LIMITED TO 3 BIOREACTORS IN SERVICE
- LINK SEAL FAILURE AROUND RAS LINE TO BIOREACTOR #3
- LINK SEAL REPAIR AND REPLACEMENT IN 4 OUT OF 6 BIOREACTORS
- REMAINING 2 BIOREACTORS TO BE REPLACED IN FY 24/25





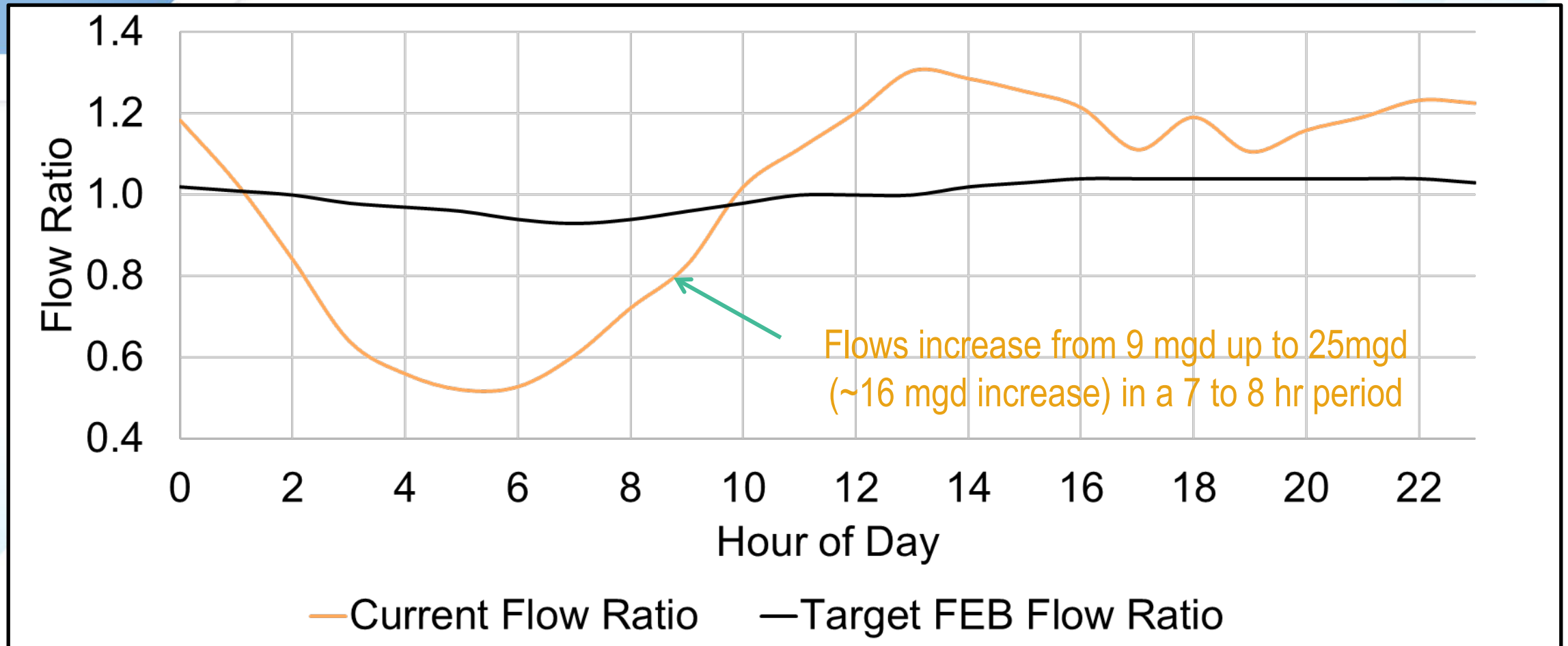
FLOW EQUALIZATION BASIN

- 2.2 MG FLOW EQUALIZATION BASIN
- DAMPEN DIURNAL FLOWS AND FINE TUNE RECIRCULATION RATES
- PROVIDE CONSISTENT HRT FOR BETTER BNR
- REDUCE WEAR AND TEAR ON MOTORS AND OTHER EQUIPMENT





PROCESS CHANGES TO INCREASE EBPR CONSISTENCY





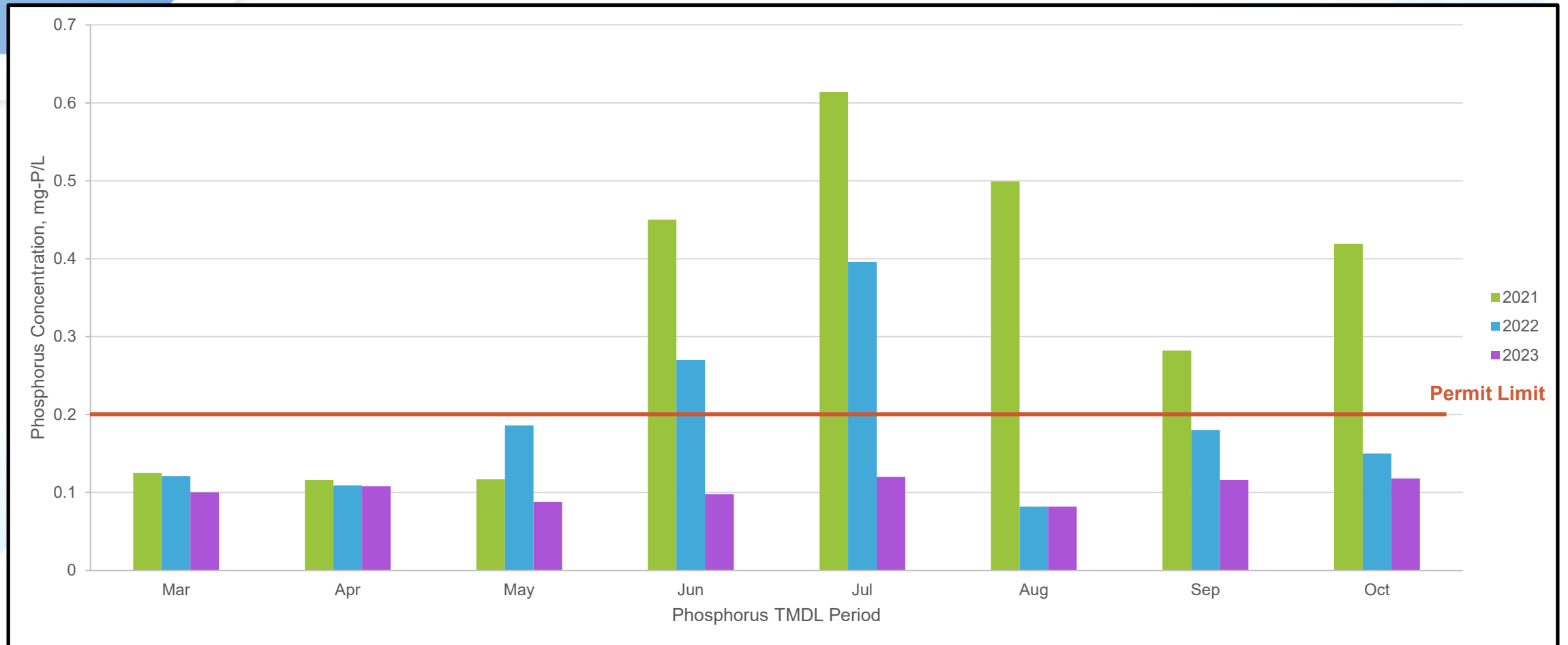
PROCESS CHANGES TO INCREASE EBPR CONSISTENCY

- REDUCE RAPID CHANGE IN ANAEROIC HRT, STABALIZE ANAEROBIC ORP, IMPROVE PRE-ANOXIC DO QUENCH
- RAS FLOW MULTIPLIER (% of INF Q) WAS REDUCED FROM 3Q to 2.1Q
- INCLUDED A MINIMUM FLOW SETPOINT OF 30 – 42.5 MGD
- ALLOWED FOR A MINIMUM OF APPROXIMATELY 2 SRTS BEFORE MODIFYING RAS MULTIPLIER
- PEAK PROCESS TEMPS OF >90F IMPACTED BIO-P PERFORMANCE

Time of Year (2023)	Duration	RAS Multiplier (%Q)	Min. RAS Setpoint	Historical Eff. P Conc.
Mar – Apr	13 days	2.75	N/A	0.13 mg-P/L
Apr	22 days	2.50	30 MGD	0.15 mg-P/L
May – Jul	69 days	2.25	30-40 MGD	0.23 mg-P/L
Jul – Aug	34 days	2.15	40 MGD	0.28 mg-P/L
Aug	12 days	2.10	42.5 MGD	0.22 mg-P/L



PROCESS CHANGES TO INCREASE EBPR CONSISTENCY





Questions?

LVVWAC

Update on the Stormwater Quality Management Committee

April 9, 2024

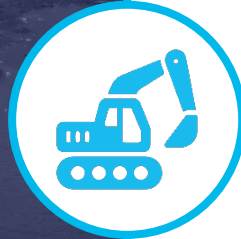


HENDERSON





SQMC MEETINGS



SQMC met quarterly during the past year (May 9, 2023; August 8, 2023; November 14, 2023; and February 13, 2024)

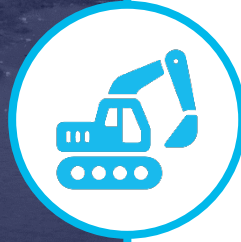


Topics/presentations included updates on the Construction General Permit and the MS4 permit, UNR Business Environment Program, and PFAS in stormwater





SQMC MEETINGS



Standing items include updates on wet weather monitoring and dry weather monitoring, public outreach, and updates from NDEP and other stakeholders



SQMC also monitored progress by the Permittees to meet quarterly and annual goals as reported in the quarterly and annual reports





NEW MS4 PERMIT



NDEP issued the draft MS4 permit for public comment in December 2023



Public comment period closed on January 12, 2024



Permit was signed and delivered February 5, 2024





CHANGES TO PERMIT



Permit is largely similar to the previous permit



Most significant change is the requirement that the Stormwater Management Plan (SWMP) be an enforceable part of the permit



Annual Report is now due November 1 of each permit year (previously October 1)





KEY REQUIRED ACTIVITIES



Draft SWMP due 1 year from issue date of the permit (February 5, 2025)



Final SWMP due 6 months after receiving comment from NDEP

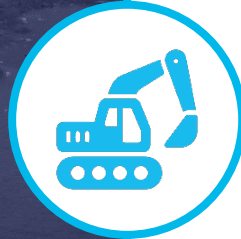


SWMP must be made available for public comment for 30 days, must hold a public hearing and the Permittees must respond to significant comments





KEY REQUIRED ACTIVITIES



Revised Stormwater Monitoring Plan must be prepared and submitted to NDEP for review within 18 months of the issuance of the permit (August 5, 2025)



Revised Stormwater Monitoring Plan must also be made available for public comment for 30 days, Permittees must hold a public hearing and respond to significant comments





KEY PERMIT ELEMENTS



Permit defines authorized stormwater and non-stormwater discharges to the MS4



Permit defines non-authorized discharges to the MS4



Permittees must evaluate whether discharges to a water of the U.S. on the 303(d) list of impaired waters cause or contribute to the listing



KEY PERMIT ELEMENTS



SWMP must include sections on source identification, and public outreach and education



Must also include MS4 maintenance activities, post-construction program, illicit discharge and detection, industrial facility monitoring and control and construction site BMP program



Permittees must also complete an annual review of the SWMP and program





MEASURABLE GOALS



Permit requires that the SWMP include “measurable goals” for tracking implementation of BMPs



Measurable goals must be numeric or narrative



Must include milestones for implementation, and title of the position responsible for implementing and coordinating each program element





CURRENT EFFORTS



Current focus is on developing a revised SWMP for review and approval by NDEP



Also working on a revised monitoring plan and evaluation of historical characterization data



Next fiscal year, Permittees will begin a major revision to the BMP Guidance Manual for Construction Contractors





THANKS!



Thank you to NDEP for working with the Permittees to finalize the permit



Thank you to Permittee staff for their diligent efforts to review and comment on earlier drafts of the permit and SWMP



Thank you to LVVWAC for participation and support of the MS4 program





QUESTIONS?

