

CITY OF
FOLSOM
DISTINCTIVE BY NATURE

Agenda

Utility Commission Regular Meeting

City Council Chambers | 50 Natoma Street, Folsom CA 95630

May 18, 2021

6:30 PM

REGULAR UTILITY COMMISSION AGENDA

Pursuant to Governor Newsom’s Executive Order N-29-20, members of the Folsom City Utility Commission and staff may participate in this meeting via teleconference.

Due to the coronavirus (COVID-19) public health emergency, the City of Folsom is allowing for remote public input during City Utility Commission meetings. Members of the public are encouraged to participate by emailing comments to ucadmin@folsom.ca.us. Emailed comments must be received no later than thirty minutes before the meeting and will be read aloud at the meeting during the agenda item. Please make your comments brief. Written comments submitted and read into the public record must adhere to the principles of the three-minute speaking time permitted for in-person public comment at City Utility Commission meetings. Members of the public wishing to participate in this meeting via teleconference may email ucadmin@folsom.ca.us no later than thirty minutes before the meeting to obtain call-in information. Each meeting may have different call-in information. Verbal comments via teleconference must adhere to the principles of the three-minute speaking time permitted for in-person public comment at City Utility Commission meetings.

Members of the public may continue to participate in the meeting in person at Folsom City Hall, 50 Natoma Street, Folsom, CA while maintaining appropriate social distancing.

CALL TO ORDER

ROLL CALL - Utility Commission Members: T.Widby, Z.Akhter, B.Mutchler, D.Kozlowski, A.Silva, D.Groat, and R.Hess

REPORT ON POSTING OF AGENDA

Agendas for the Utility Commission are posted at the Folsom City Hall and City website. (Pursuant to California Government Code Section 54954.2, the agenda for this meeting was properly posted on or before 6:30 p.m. on May 14, 2021.)

BUSINESS FROM THE FLOOR

This item is intended for comments or suggestions from the public for presentation to the Utility Commission. Any matters discussed before the Utility Commission which are not on the agenda cannot be acted upon by the Commission.

MINUTES

- 1. Approval of the Minutes of the April 20, 2021 Regular Meeting

DIRECTORS REPORT

OLD BUSINESS

- 1. Water Treatment Plant Cyber Security
- 2. Solid Waste Rate Study

NEW BUSINESS

- 1. Corporation Yard Water Quality and Groundwater Monitoring Update
- 2. 2020 Urban Water Management Plan and Water Shortage Contingency Plan

Approved by:

Bob Mutchler, Chair

Future Meetings

June 15, 2021	6:30 pm	Regular Meeting	City Hall
July 20, 2021	6:30 pm	Regular Meeting	City Hall

AUGUST RECESS

Copies of the written documentation relating to each item of business described above are on file in the Environmental and Water Resources Department, Folsom City Hall, 50 Natoma St., Folsom, California and are available for public inspection during regular office hours which are 8:00 a.m. to 5:00 p.m., Monday through Friday. We request advance notification to facilitate your requests. Copies of documents may be purchased for \$0.10 per page.

Pursuant to State law, this agenda was posted at least 72 hours prior to the meeting at the Folsom City offices, and City website. The City Hall phone number is 916-461-6000. To contact City Hall using a telecommunication device for the deaf (TDD), please call (800) 735-2929 and an operator will assist you.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Environmental and Water Resources Department at 916-461-6162. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

Please mute or turn off cellular phones, tablets, and other electronic devices during the meeting.



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Utility Commission Regular Meeting Draft Minutes

City Council Chambers | 50 Natoma Street, Folsom CA 95630
April 20, 2021
6:30 PM

Pursuant to Governor Newsom's Executive Order N-29-20 and as noticed on the meeting agenda, members of the Utility Commission and staff may participate in this meeting via teleconference.

Call to Order

Chair Mutchler called the meeting to order at 6:30 p.m.

Roll Call

PRESENT: B. Mutchler, T. Widby, D. Kozlowski, Z. Akhter, R. Hess, D. Groat,
A. Silva (joined at 6:40 pm)

STAFF PRESENT: Marcus Yasutake: Environmental and Water Resources Director
Dave Nugen: Public Works Director
Emma Atkinson: Administrative Assistant, EWR

Business from the Floor

None

Minutes

Approval of the Minutes of the March 16, 2021 Regular Meeting.

Commissioner Widby motioned to accept the minutes.

Commissioner Groat seconded the motion.

Motion carried with the following vote:

AYES: Commissioners Mutchler, Kozlowski, Akhter, Hess,

ABSENT: Commissioner Silva

Directors' Reports

Director Nugen provided an update on the status of the Rate Study. He anticipates having the rough draft available for the next Utility Commission meeting. Director Nugen also reported that the department is experiencing difficulties finding qualified drivers to fill vacancies, which is impacting overall operation management. He noted that additional drivers and vehicles have been requested in the budget for Fiscal Year 2021-2022, and responded to questions from Commission.

Director Yasutake reported that there is now approval for Commissions to meet in person. For the May 2021 meeting, commissioners will have the option to meet either in person or via WebEx.

Old Business

Water Treatment Plant Cyber Security:

Director Yasutake provided opportunity for further discussion relating to Water Treatment Plant security.

New Business

Environmental and Water Resources Proposed Fiscal Year 2021-2022 Capital Improvement Plan (CIP) Budget:

Director Yasutake presented detail of the Environmental and Water Resources Department's Preliminary CIP budget and responded to questions from the Commission.

Drought Mitigation:

In response to a question from the Commission, Director Yasutake summarized the current water supply situation for the region. He confirmed that, at this time, there has been no confirmed announcement of water restrictions.

Adjournment

Meeting adjourned at 8:01pm

Respectfully Submitted:

Emma Atkinson, Administrative Assistant.

Approved:

Bob Mutchler, Utility Commission Chair.

DATE: May 11, 2021
TO: Utility Commissioners
FROM: Marcus Yasutake, Environmental and Water Resources Director
SUBJECT: **CORPORATION YARD WATER QUALITY AND GROUNDWATER MONITORING UPDATE**

BACKGROUND

During the late 1800s through early 1900s, a large portion of the City, including the Site, was dredged for gold. In the 1950s, the City constructed a domestic sewage treatment plant and operated it through the 1970s, when flows were diverted to Sacramento County's Northeast Plant and the City's plant was abandoned. In 1974, the City began using the former aeration and settling ponds associated with the sewage treatment plant as a landfill. The City discharged primarily non-municipal solid-waste including construction and demolition debris, green waste, and street litter. In 1978, the landfill was permitted as a Class III sanitary landfill and continued to operate until 1986. In 1996, a cap was installed on the main landfill area as part of the closure plan. The former landfill occupied approximately four acres of the lower half of the Corporation Yard property. In 1996 the former landfill ceased accepting construction debris, and in October 2008 to September 2009, the City conducted clean closure waste removal activities at the Site.

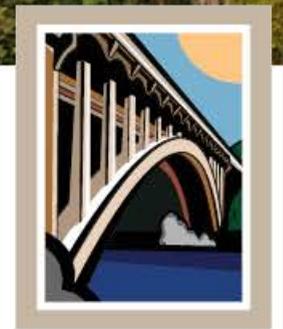
On January 13, 2010, the Regional Water Quality Control Board Executive Officer prepared a letter confirming that the *Landfill Clean Closure Certification Report* for the Corporation Yard meets the requirements of the Waste Discharge Requirement Order R5-2008-0106 (Order) and the Clean Closure Plan (CCP). This letter goes on to clarify that continued groundwater monitoring is required until the water quality protection standards (WQPS) were satisfied.

DISCUSSION

Environmental and Water Resources Director, Marcus Yasutake, will present information on the status of the groundwater and water quality monitoring required pursuant to Waste Discharge Requirement Order R5-2008-0106 (Order). The discussion will include progress to date, recent groundwater monitoring results, and possible next steps for rescission of the Order.

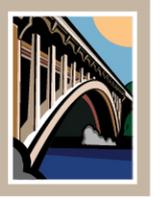


Utility Commission
Corp Yard Water Quality and Groundwater Monitoring
May 18, 2021



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Site History



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Site History



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- Dredging (1900s)
- Folsom WWTP (1950-1970)
- Corporation Yard Landfill (1974-1987)
 - Street cleaning wastes
 - Construction and demolition debris
 - Green wastes from City facilities
- Clean closed in 1996 (landfill cap)

Regulatory Environment



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- Regional Water Quality Control Board
- Waste Discharge Requirement (WDR) Order No. 95-246
 - Clean closure requirements for removal of landfill material
 - Post closure monitoring and maintenance
- WDR Order No. R5-2008-0106
 - Stormwater discharges
 - Groundwater monitoring under the Water Quality Protection Standard (WQPS)

Groundwater Monitoring



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Table 4. Analytical Constituents¹

Parameter	Units	Analytical Method	Parameters Included
General Chemistry			
TDS	mg/L	SM2450C	X
Total Alkalinity	mg/L	SM2320B	X
Total Hardness	mg/L	SM2340	X
Chemical Oxygen Demand	mg/L	EPA 410.4	X
Major Anions			
Bicarbonate, Chloride	mg/L	SM2320B	X
Nitrate-N, Sulfate	mg/L	EPA 300.0	X
Major Cations			
Calcium, Magnesium, Sodium, Potassium	µg/L	EPA 200.7/200.8	X
Dissolved Metals			
Arsenic	µg/L	EPA 200.8	X
Iron	µg/L	EPA 200.7	X
Aluminum, Barium, Beryllium, Cadmium, Cobalt, Copper, Molybdenum, Nickel, Tin, Zinc Antimony, Chromium (total), Lead, Selenium, Silver, Thallium, Vanadium	µg/L	EPA 200.7/200.8	X
Hexavalent Chromium	µg/L	EPA 7199	X
Cyanide	mg/L	SM4500	X
Mercury	µg/L	EPA 7470A	X
Sulfide	mg/L	SM4500-SF	X

Notes:

EPA = Environmental Protection Agency method

SM = Standard Method

mg/L = milligrams per liter

µg/L = micrograms per liter

- New Wells (MWS-1, -2, -3, MWD-1, -2, -3) and Historic LWBZ Wells (FCY-3 and FCY-7)

Figure
3

Groundwater Monitoring



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- Quarterly sampling
- Semi-annual and annual reports required
- Upper water bearing zone (UWBZ)
 - Mainly in dredge tailings
 - Typical depths of 25-35 feet
 - Typically consist of seasonal perched groundwater
- Lower water bearing zone (LWBZ)
 - Native Mehrten formation (low permeability)
 - Typical depths greater than 60 feet

Groundwater Monitoring Results



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- Required 3 successive years (12 events) of results meeting the water quality standards
- Results indicate and support that the UWBZ and LWBZ are not hydraulically connected
- Results support recommendation from the City to RWQCB to rescind the WDR
- RWQCB confirmed the results and approved destruction of the groundwater monitoring wells
- Groundwater monitoring wells destroyed in April 2021

Next Steps



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- Finalize a deed covenant for the property (May 2021)
 - RWQCB states the property does not appear to present an “unacceptable risk” for uses of the property
- Submit final well abandonment report to RWQCB (May 2021)
- RWQCB staff will recommend rescission of the WDR to their Board (June or July 2021)



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QUESTIONS?

DATE: May 11, 2021
TO: Utility Commissioners
FROM: Marcus Yasutake, Environmental and Water Resources Director
SUBJECT: **2020 URBAN WATER MANAGEMENT PLAN AND WATER SHORTAGE CONTINGENCY PLAN**

BACKGROUND

The purpose of this UWMP is to document the City's water supply planning strategies for the existing municipal jurisdiction. The Urban Water Management Plan, as required by Urban Water Management Act and the Water Conservation Bill of 2009, contains an assessment of current and projected supplies, an evaluation of the reliability of these supplies given a range of hydrologic conditions, an assessment of demands by customer type, and an explanation of water management strategies designed to integrate supply and demand conditions.

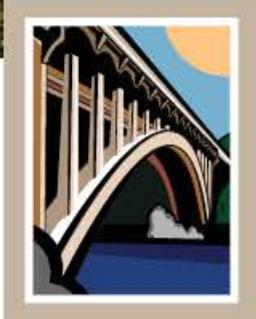
The Water Shortage Contingency Plan (WSCP) is a detailed plan for how the City intends to identify and respond to foreseeable and unforeseeable water shortages. A water shortage occurs when the supply is reduced to a level that cannot support the normal demand at any given time or if the state mandates a cutback regardless of supplies.

DISCUSSION

Environmental and Water Resources Director, Marcus Yasutake, will present information related to the City's 2020 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP). This will include a discussion regarding the draft public documents and associated sections of each plan, the WSCP presentation scheduled for City Council on May 25, 2021, and the scheduled Public Hearing on June 8, 2021 for City Council adoption.



Utility Commission
2020 UWMP and WSCP
May 18, 2021



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2020 UWMP Background



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- Previous UWMP completed in 2010
- Required by California Water Code Section 10620
 - If not completed, not eligible for DWR Grants
- Local agency participation
- City must hold a public hearing
- Must include Senate Bill x7-7 Water Use Reduction Target (20% by 2020)
- Must be adopted by City Council
- **Include, and adopt, a Water Shortage Contingency Plan**

UWMP Contents



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- Introduction
- Plan Preparation
- System Description
- System Water Use
- Baselines and Targets (SBx7-7)
- System Supplies
- Water Supply Reliability and Drought Risk Assessment
- Water Shortage Contingency Planning
- Demand Management Measures
- Plan Adoption, Submittal and Implementation

Historical Water Use



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	2015	2016	2017	2018	2019	2020
Folsom Service Area	15,771	17,814	19,190	18,117	17,567	18,560
Ashland Service Area	963	1,060	1,060	1,114	1,113	1,180
Raw water	1,137	734	153	120	137	158
Total water use (AF/YR)	17,871	19,608	20,404	19,351	18,817	19,898

Projected Water Use



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CUSTOMER CLASSIFICATION	2025	2030	2035	2040	2045
Single Family	9,710	10,587	11,156	11,494	11,498
Multi-Family	2,056	2,458	2,780	2,970	3,136
Commercial/ Industrial	4,544	5,072	5,359	5,579	5,703
Schools	859	981	1,067	1,081	1,096
Municipal/Parks	1,017	1,076	1,124	1,193	1,219
Potable Water Demand	18,185	20,175	21,486	22,317	22,651
Water Losses	2,182	2,421	2,578	2,678	2,718
Aerojet Demand	150	150	150	150	150
Total	20,517	22,746	24,214	25,145	25,519

Senate Bill x7-7



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- 20% water use reduction by 2020
- Ten-year baseline of water use (1996-2005)
- Original target revised due to census data
- Calculated in gallons per capita per day (GPCD)
- Revised in 2015 using 2010 Census data

Baseline Period	Baseline Value		2015 Interim Target		2020 Target	
	Original	Revised	Original	Revised	Original	Revised
1996-2005	429	440	386	396	343	352

YEAR	POPULATION	GROSS WATER USE (AFY)	GPCD	TARGET GPCD
2020	69,517	19,898	256	352

City Water Entitlements and Contracts



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WATER RIGHTS	SUPPLY, AFY	DIVERSION POINT	PLACE OF USE	TRANSFERABLE
Pre-1914 appropriative right	22,000	Folsom Reservoir, Folsom South Canal	Folsom Service Area	Yes
Pre-1914 Appropriative rights	5,000	Folsom Reservoir, Folsom South Canal	Folsom Service Area	Yes
CVP repayment contract	7,000	Folsom Reservoir	Folsom Service Area	Yes
SJWD agreement ¹	1,100	Folsom Reservoir	Ashland Area	No
GET A and GET B supply	3,250	Direct Application	Folsom Service Area	Yes
Total supply	38,350	--	--	--

¹. The SJWD Agreement states that the City will receive the water supply needed for the Ashland area from SJWD unless there are shortage reductions required under the agreement between the City and SJWD. This water supply does not impact City's water supplies available under other Contracts.

Drought Risk Assessment



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- Normal year type
- Single dry year
- Five consecutive dry years
- Supply reduction by year type

	NORMAL YEAR	SINGLE YEAR	MULTIPLE YEAR				
			YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Pre-1914 appropriative right for 22,000 AFY	0%	0%	0%	0%	0%	0%	0%
Pre-1914 appropriative right for 5,000 AFY	0%	0%	0%	0%	0%	0%	0%
CVP repayment contract for 7,000 AFY	0%	25%	25%	25%	50%	50%	75%
Ashland area contract	0%	0%	0%	35%	35%	35%	35%
GET A and GET B raw supply	0%	0%	0%	0%	0%	0%	0%

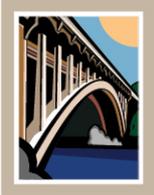
Drought Water Supplies



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	NORMAL YEAR	SINGLE YEAR	MULTIPLE YEAR				
			YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Pre-1914 Appropriative Right for 22,000 AFY	22,000	22,000	22,000	22,000	22,000	22,000	22,000
Pre-1914 Appropriative Right for 5,000 AFY	5,000	5,000	5,000	5,000	5,000	5,000	5,000
CVP Repayment Contract for 7,000 AFY	7,000	5,250	5,250	5,250	3,500	3,500	1,750
Ashland Area Contract	1,100	1,100	1,100	720	720	720	720
TOTAL POTABLE SUPPLY	35,100	33,350	33,350	32,970	31,220	31,220	29,470
GET A and GET B Raw Supply	3,250	3,250	3,250	3,250	3,250	3,250	3,250
TOTAL WATER SUPPLY	38,350	36,600	36,600	36,220	34,470	34,470	32,720

Drought Supplies and Demands



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		2025	2030	2035	2040	2045
First Year	Supply Totals	36,600	36,600	36,600	36,600	36,600
	Demand Totals	20,517	22,746	24,214	25,145	25,519
Difference:		16,083	13,854	12,386	11,455	11,081
Second Year	Supply Totals	36,220	36,220	36,220	36,220	36,220
	Demand Totals	20,517	22,746	24,214	25,145	25,519
Difference:		15,703	13,474	12,006	11,075	10,701
Third Year	Supply Totals	34,470	34,470	34,470	34,470	34,470
	Demand Totals	20,517	22,746	24,214	25,145	25,519
Difference:		13,953	11,724	10,256	9,325	8,951
Fourth Year	Supply Totals	34,470	34,470	34,470	34,470	34,470
	Demand Totals	20,517	22,746	24,214	25,145	25,519
Difference:		13,953	11,724	10,256	9,325	8,951
Fifth Year	Supply Totals	32,720	32,720	32,720	32,720	32,720
	Demand Totals	20,517	22,746	24,214	25,145	25,519
Difference:		12,203	9,974	8,506	7,575	7,201

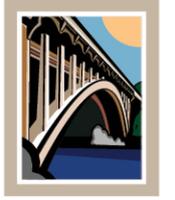
Water Shortage Contingency Plan



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- City's plan to identify and respond to foreseeable and unforeseeable water shortages
- Develop procedures to determine annual supplies and demands
 - Will there be a supply shortage or surplus?
- Identify response actions to potential water shortages
 - How to close the gap when demands exceed supplies?
- Identify legal authority and enforcement of response actions

WSCP Requirements



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1. Water Supply Reliability Analysis
2. Annual Water Supply and Demand Assessment Procedures
3. Six standard shortage stages
4. Shortage response actions
5. Communications protocol
6. Compliance and enforcement
7. Legal authority
8. Financial consequences of implementing the WSCP
9. Monitoring and reporting
10. WSCP refinement procedures
11. Special water features distinction
12. WSCP adoption, submittal and availability

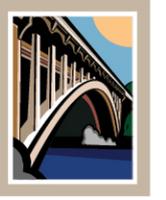
WSCP Implementation



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- Conduct a public hearing at the same time as the UWMP
 - Scheduled for June 8, 2021
 - Public draft made available on May 7, 2021
- Update as needed if local conditions change (i.e new water supplies or new infrastructure)
- Update Folsom Municipal Code Section 13.26 to match WSCP
 - Likely summer 2021

Summary



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- UWMP meets DWR requirements
- City is meeting Interim and Target GPCD
- Adopt 2020 UWMP by July 1, 2021
 - 5/25 CC Meeting Presentation
 - 6/8 CC Meeting Public Hearing
- Next update to UWMP - 2025



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QUESTIONS?