

NOTICE

Denver Board of Water Commissioners

Wednesday, June 24, 2020
MEETING CANCELLED

Notice is hereby given that the June 24, 2020 Regular Session Meeting of the Denver Board of Water Commissioners is cancelled because there are no items requiring Board action. The Board was presented with the following materials for information.

I. POLICY MATTERS

- A. North Water Treatment Plant Update Presentation
- B. Lead Reduction Program Update Presentation

II. BRIEFING PAPERS & REPORTS

- A. Briefing Paper
 - 1. Legislative Update
 - 2. Sustainability Update
- B. Report
 - 1. May Financial Update

DENVER WATER

NORTHWATER TREATMENT PLANT (NTP)



Board Meeting

June 24, 2020

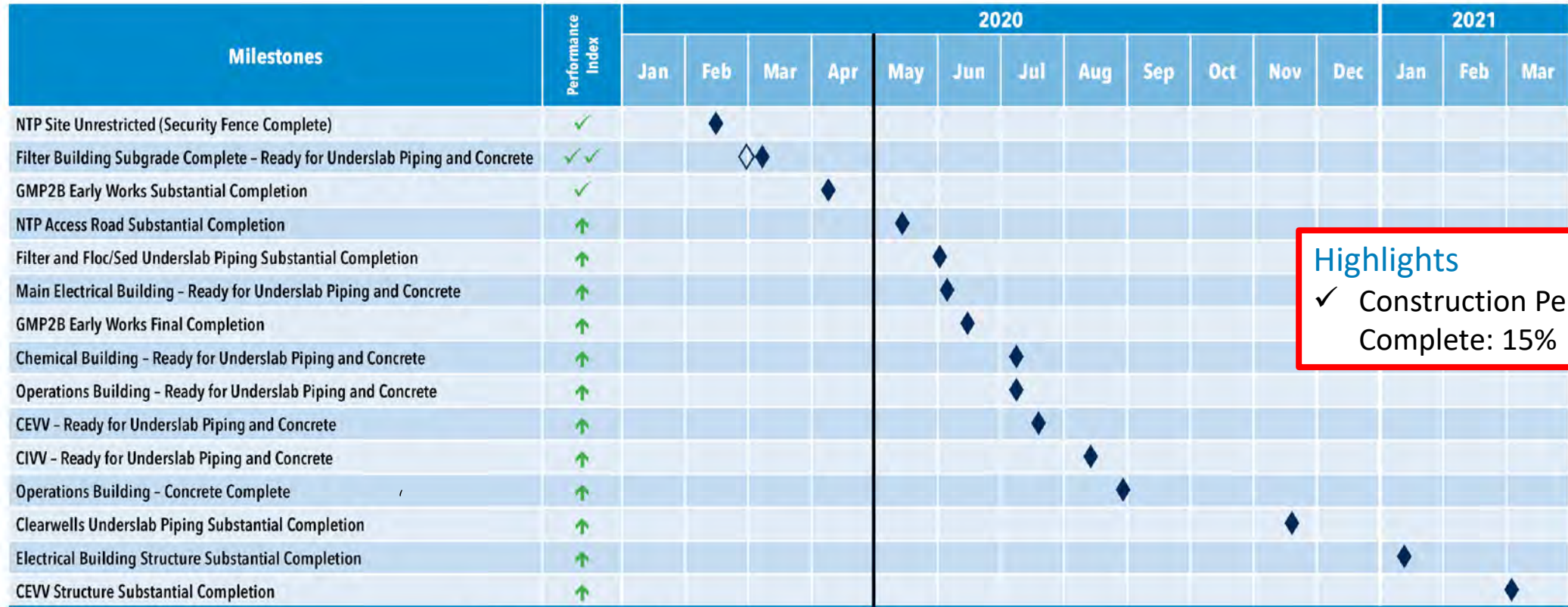
Purpose

- NTP Update



NTP Schedule

Purpose: Show current progress and upcoming milestones



Highlights
 ✓ Construction Percent Complete: 15%

- Performance Index Legend**
- ✓ On Time & Complete
 - ✓✓ Early Completion
 - ↑ On Schedule
 - ✓ Missed Baseline Milestone Date & Complete
 - ↓ Missed Baseline Milestone Date

★ You Are Here

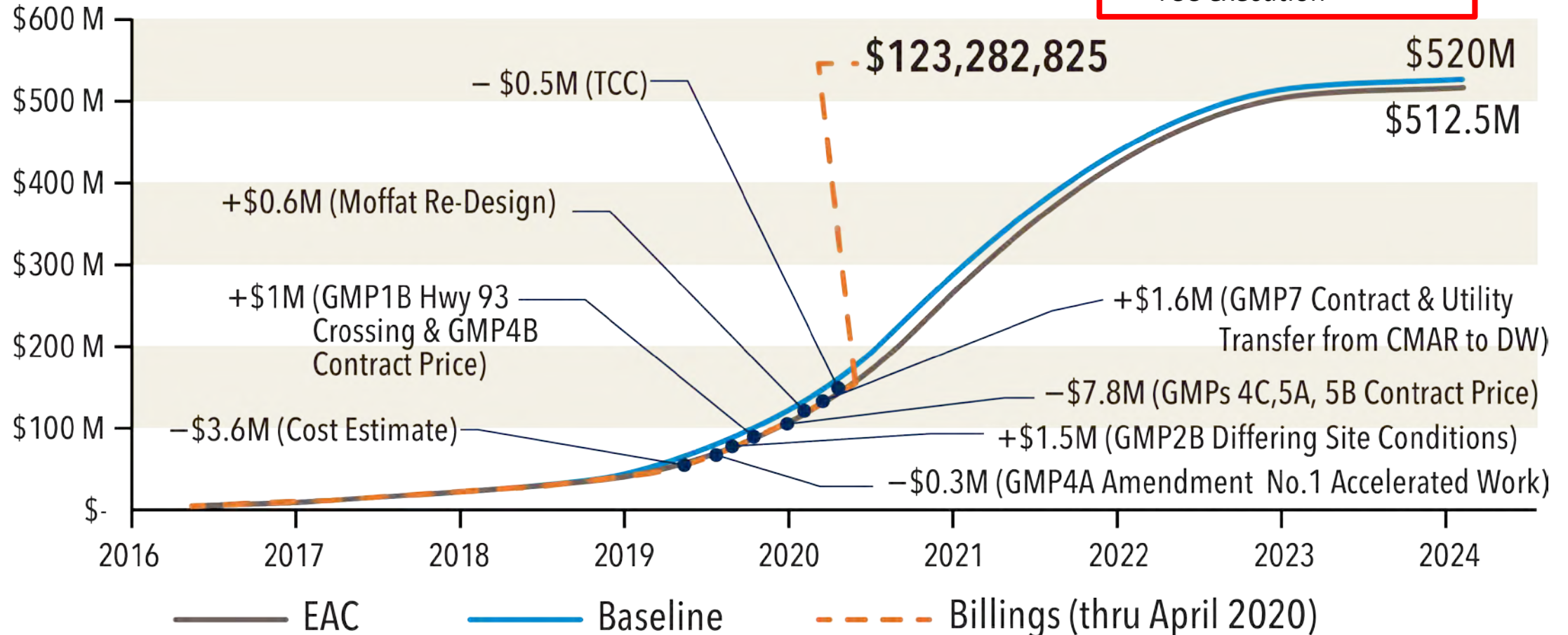
- Schedule Legend**
- ◆ Baseline Milestone Date
 - ◇ Current Milestone Date

NTP Total Project Cost Curve

Purpose: Show budget vs billings through April 2020

Highlights

- ✓ Billings incorporate March & April due to TCC execution



NTP Task Budget Summary

Purpose: Show billings by task through April 2020

NTP Project Cost Summary

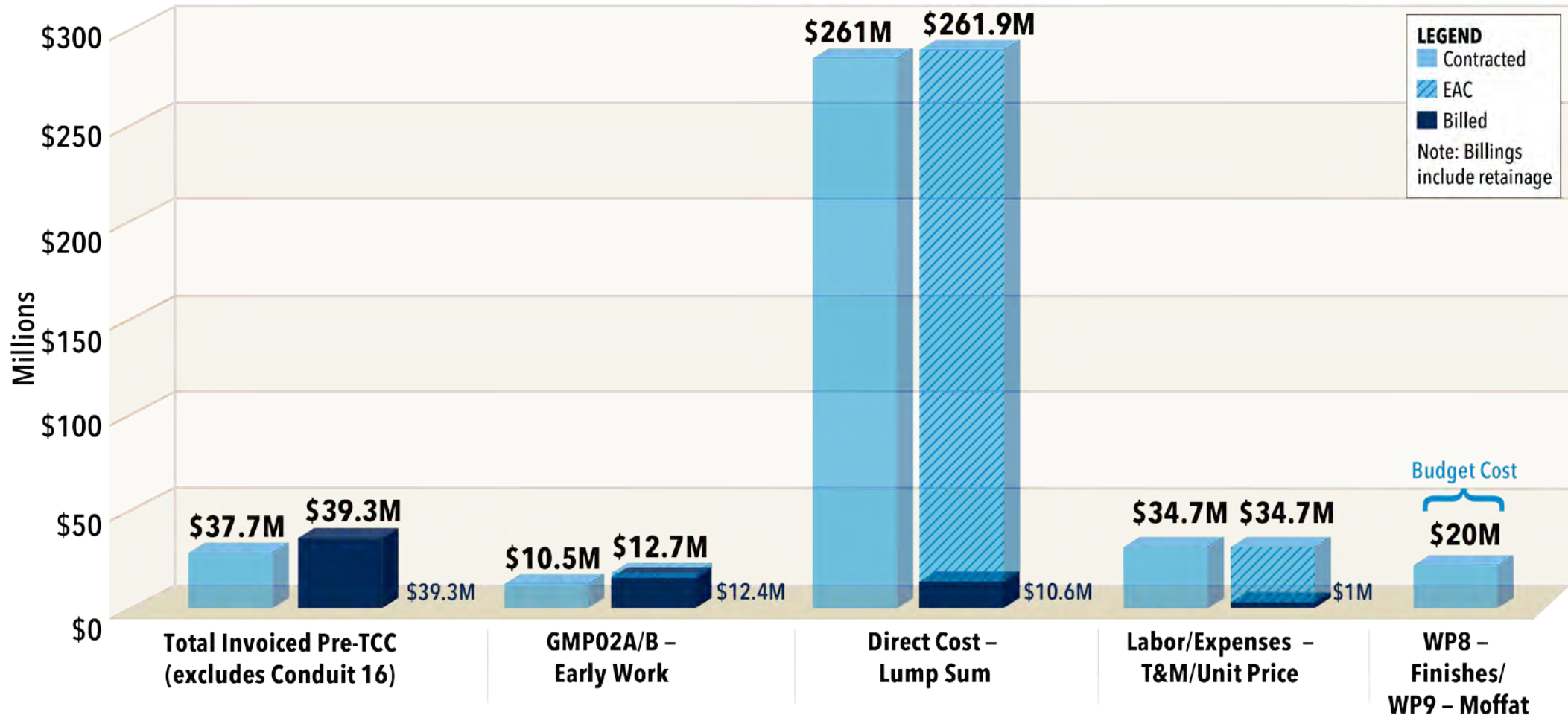
Major Tasks	Schedule	Budget	Adjustments this Period	Adjusted Budget	Billings	EAC
Tasks 1 - 4B Design	2016-2019	\$50,740,000	\$0	\$50,740,000	\$49,050,584	\$49,050,584
Task 5A & 6: Construction Oversight & Turnover	2018 - 2024	\$45,260,000	\$0	\$46,000,000	\$7,201,298	\$48,280,000
Task 5B: Construction		\$414,567,509	\$0	\$413,167,509	\$63,698,648	\$405,055,139
Denver Water Internal Administrative Cost		\$9,432,491	\$0	\$10,092,491	\$3,332,295	\$10,092,491
TOTAL	2016 - 2024	\$520,000,000	\$0	\$520,000,000	\$123,282,825	\$512,478,214
Legend	<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #cccccc; margin-right: 5px;"></div> Completed work </div>					
	<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #add8e6; margin-right: 5px;"></div> Updated actuals </div>					
Note	Conduit 16, Gross, and Ralston costs excluded from billings and EACs; Construction billings include retainage					

NTP Total Construction Budget Summary

Purpose: Show construction contracted and EAC vs billed through April 2020

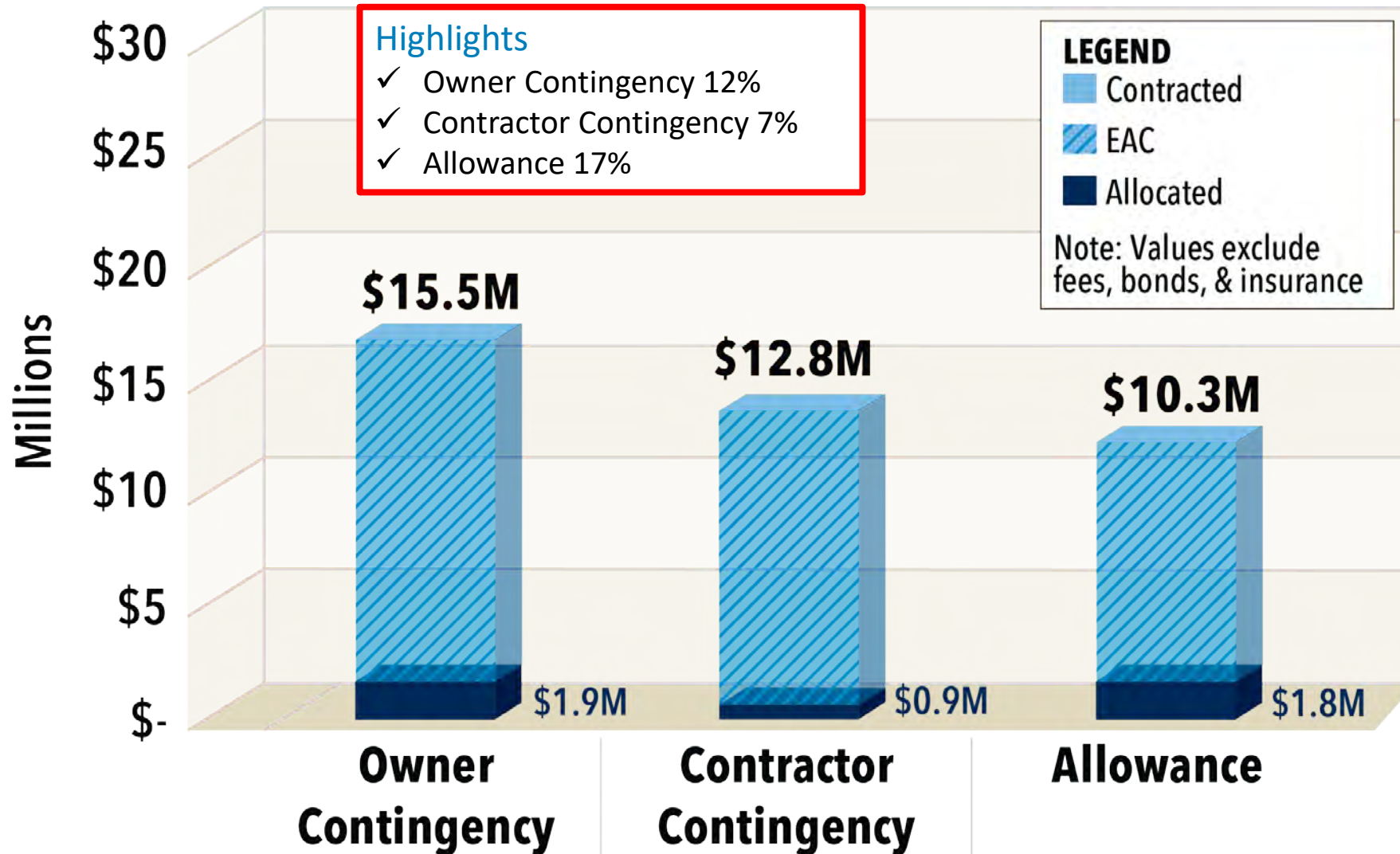
Highlights

- ✓ EAC represents the base contract plus contingency and allowance allocations to date



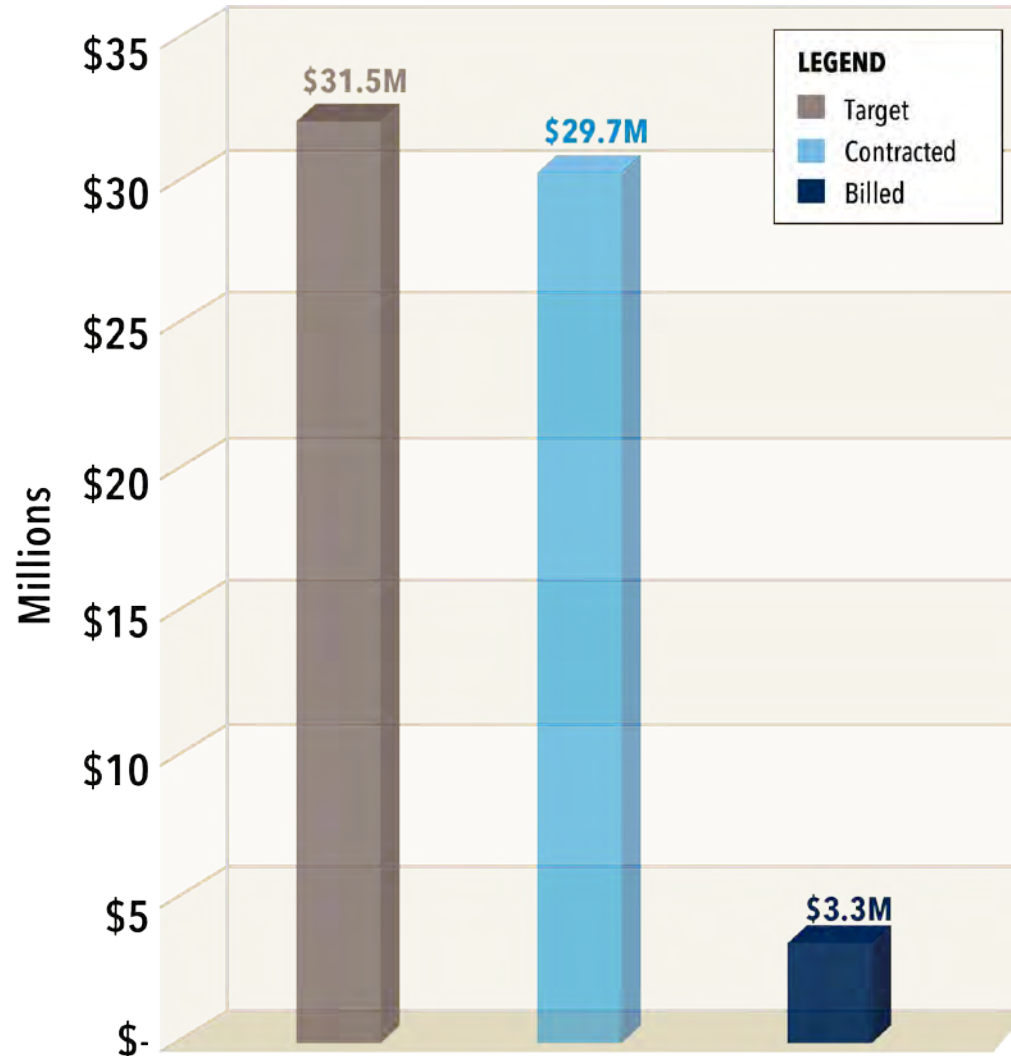
NTP Construction Contingency Update

Purpose: Show Owner and Contractor Contingency and Allowance budget/allocation through April 2020



NTP Construction MWBE Update

Purpose: Show contracted MWBE participation and billings through April 2020



Highlights

- ✓ \$1.2 additional participation is anticipated in WPs 8 and 9, once negotiated
- ✓ \$0.6M reduction in contracted participation due to Covarrubias

Questions?



LEAD REDUCTION PROGRAM UPDATE

*Board Presentation
June 24, 2020*



Agenda

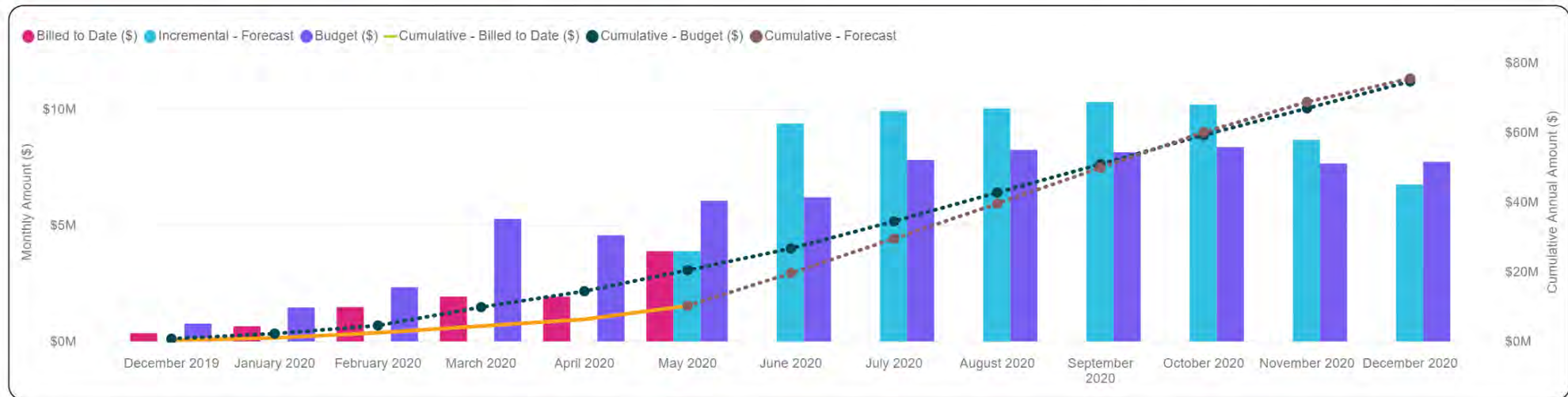
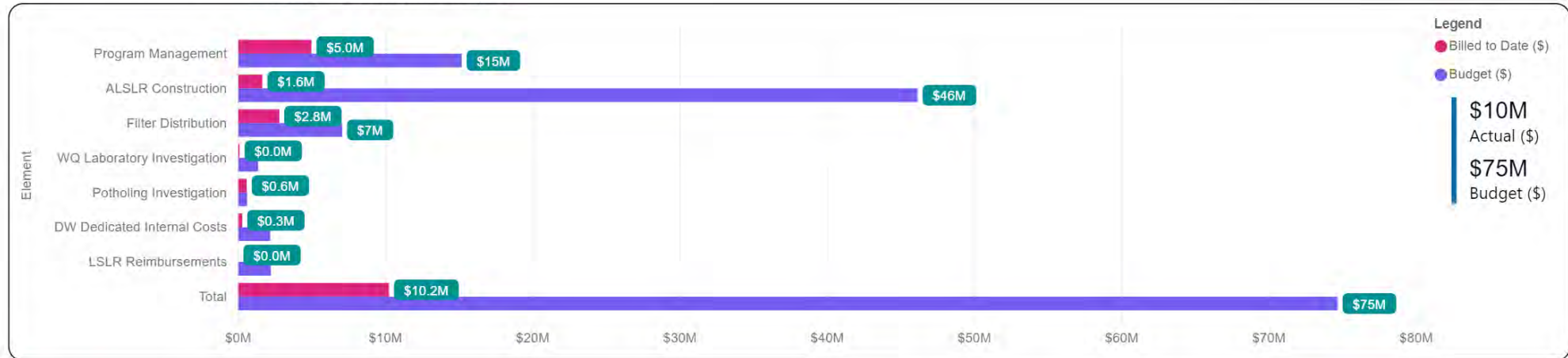
- Annual Financials (2020)
- Milestone Schedule (2020)
- Program Health
- Major Program Metrics
 - ALSLR Construction (2020)
 - Filter Distribution (2020)
 - Communication, Outreach & Education
- Questions

Annual Financials (2020)

Annual (2020) Overall Program Financials

Report Period 12/1/2019 to 5/31/2020

Phase II 42% Duration Complete



Milestone Schedule (2020)

	May	June	July	August
Program Management	<ul style="list-style-type: none"> ◇ Advisory committee meeting (May 7) ◇ Submit monthly report (May 10) 	<ul style="list-style-type: none"> ◇ Submit monthly report (June 10) ◇ Online map update (June 10) ◇ Monthly regulatory check-in (June 16) 	<ul style="list-style-type: none"> ◇ Quarterly report (July 10) 	
ALSLR Construction		<ul style="list-style-type: none"> ◇ 2021 Task Order Identification Planning (June 11) ◇ Predictive model results review (late June) 		
Filter Distribution			<ul style="list-style-type: none"> ◇ 90% initial filter distribution complete (June 29) 	
COE	<ul style="list-style-type: none"> ◇ COE Advisory Committee Meeting (May 7) 	<ul style="list-style-type: none"> ◇ Virtual Community Meeting (June 11, 16, 18, 25, 30) 		
pH Adjustment / Denver Water Staffing	<ul style="list-style-type: none"> ◇ Equivalency model regulatory review (May 8) 		<ul style="list-style-type: none"> ◇ Submit Nitrification Plan (June 30) ◇ Submit updated pipe rack results (June 30) 	

Today's date

Grey text = Completed activity
 Red text = Regulatory requirement

Program Health

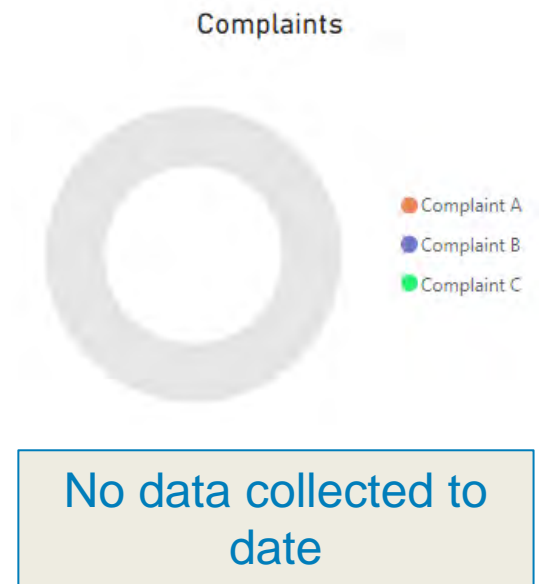
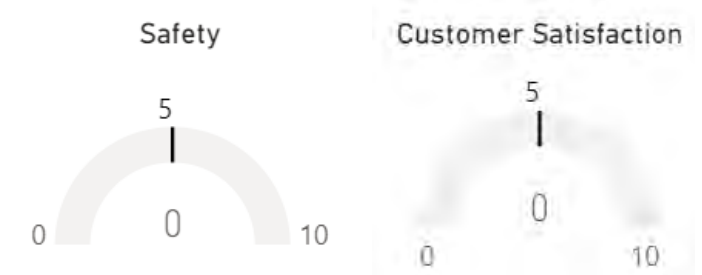
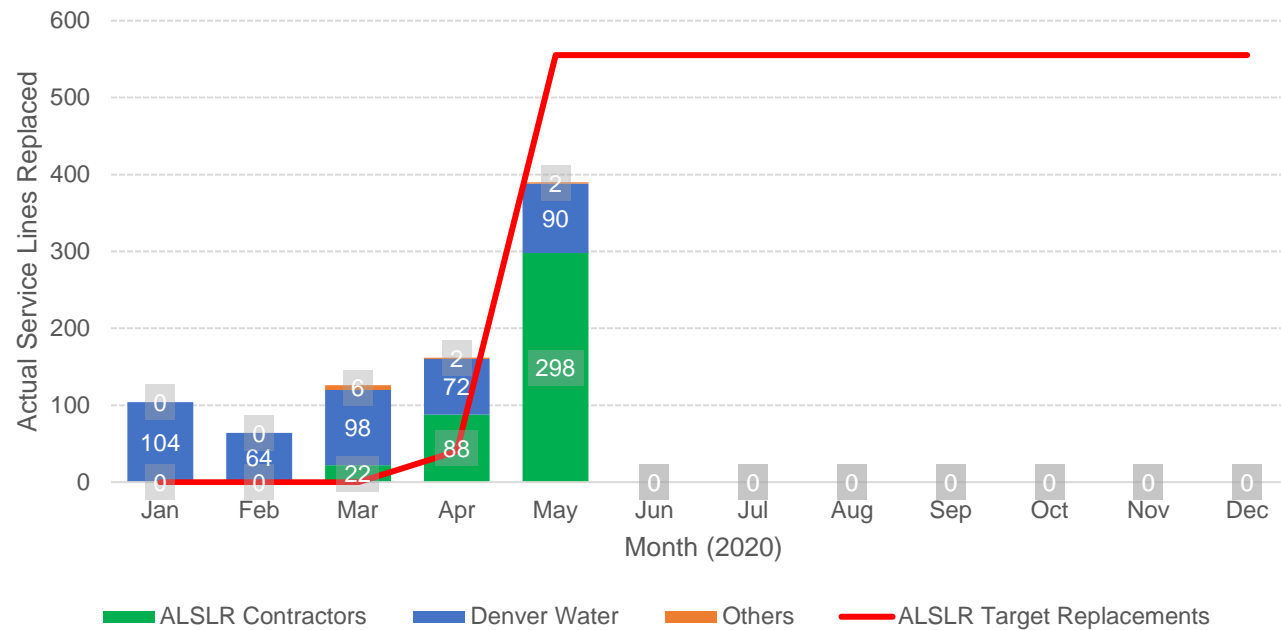
Task	Program Status	Regulatory Status	Cause	Mitigation	Key Status Items
Program Management					Program Dashboards Complete Online map update (June 12)
ALSLR Construction			COVID-19 delay to construction start	Accelerate Schedule with Additional Task Orders and DW Replacements	Commercial / critical customer replacements underway Residential property replacements ramping up
Filter Distribution					100% filter distribution anticipated late July / early August
Laboratory Investigation					WQ sample kit distribution underway
Potholing Investigation					Independent potholing on hold
pH Adjustment/ LCR Sampling			COVID-19 LCR sampling impact	LCR sampling conducted by homeowners	pH adjustment continuing
COE			COVID-19 impact to outreach	Virtual Outreach Efforts Underway	Outreach and education underway COE Advisory Committee initiated

ALSLR Construction (2020)

Regulatory Target Replacement **4,477**

Actual Replacement **846**

Percent of Annual Target **18.9%**



Filter Distribution (2020)

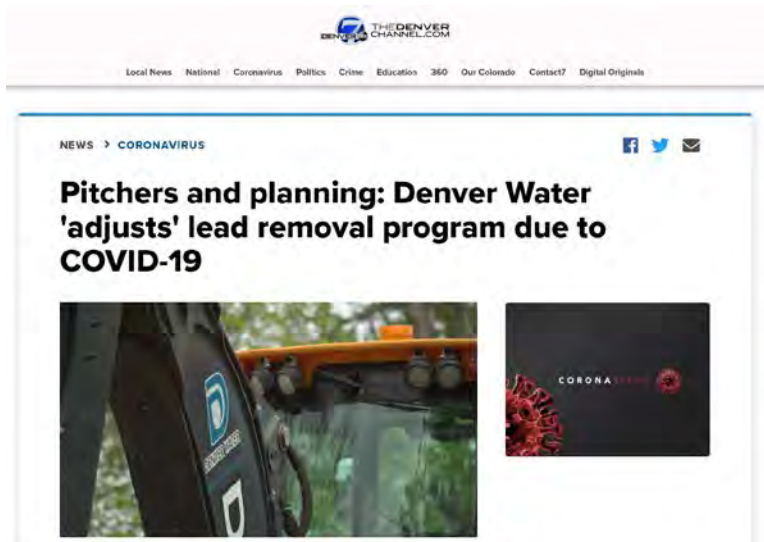
Regulatory Filter Program Participants	110,000
Actual Filters Distributed	68,373
Percent of Participants	62.2%

Filter Adoption Survey
tracked beginning in
September



Communications, Outreach and Education

Outreach to suburban partners to spread the word & continued media coverage.



QUESTIONS?

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: June 24, 2020

Board Item: II-A-1

Briefing Paper for Legislative Update

Strategic Plan Alignment

Lenses: Customer Centric Industry Leader Long-Term View
Denver Water's Strategic Plan calls for an organization with satisfied and supportive customers and strategically effective relationships to enhance our trusted reputation. Part of that effort is fostering strong relationships with community leaders as well as government officials at local, regional, state, and national levels. Our work at the Colorado Legislature supports our role as a thought leader and allows us to impact policy and regulatory matters that affect the organization.

Summary

The Second Regular Session of the 72nd General Assembly ended on Monday, June 15, 2020. It was 85 days long and 35 days shorter than normal due to the coronavirus. In addition to changing the timing of the session, precautions were taken that changed how the General Assembly went about their business. The disruption to the economy forced lawmakers to reduce the state's budget by \$3.3 billion in general fund dollars or 10% of the \$30.3 billion total in the budget bill.

Despite these difficult times, Denver Water's legislative agenda fared well. Our efforts were advanced with the help of our external partners, primarily the Colorado Water Congress, the Colorado Competitive Council, the Denver Metro Chamber of Commerce and the Colorado Municipal League, as well as the hard work of 38 Denver Water subject matter experts who provided input throughout the session.

Here is a summary of our legislative agenda:

- Followed and reviewed 47 bills.
- Took positions on 14 bills.
- Supported six bills. Four have been signed by the Governor and two were lost due to the circumstances with the coronavirus.
- Opposed six bills. All six were postponed indefinitely.
- Amended two bills. Both were satisfactorily amended.

Highlights from this agenda include the following:

HB20-1138 Public Real Property Index: We were successful at working with Representative Coleman to amend this bill to exclude water providers from its provisions. It would have required us to make significant efforts to characterize nearly 5,000 property entries in our database in a format compatible with the bill's requirements. The bill ultimately failed due to pressure from other local governments and its fiscal impact under the budgetary challenges.

HB20-1119 State Government Regulation of Perfluoroalkyl And Polyfluoroalkyl Substances (PFAS): We were successful in working with the Colorado Department of Public Health and Environment and the bill sponsors to amend this bill. Amendments to terms and definitions clarified that water providers would not be held liable for PFAS contamination by others. The bill passed.

SB20-153 Water Resource Financing Enterprise: We defeated this bill, which would have created a 25 cent per thousand gallons of use on municipal water customers statewide.

HB20-1327 Water Diversions from Rio Grande Basin: We defeated this basin of origin mitigation bill for the Rio Grande River Basin, which could have set a dangerous precedent statewide.

SB20-216 Workers' Compensation for COVID-19: This bill would have changed workers' compensation claims for COVID-19 related illnesses. The bill went too far in changing evidentiary standards, presumptions, time frames for reporting and provided no exceptions when an employer provided proper personal protective equipment. In working with our partners at the Denver Metro Chamber of Commerce and the Colorado Municipal League, the bill was defeated in committee.

SB20-205 Sick Leave for Employees: This bill creates the Healthy Families and Workplaces Act, which requires employers to provide paid sick leave to employees under various circumstances. We worked with our partners at the Denver Metro Chamber of Commerce and the Colorado Competitive Council to offer suggestions for amendments. These partners were able to secure the amendments we needed such that Denver Water's current leave policy covers the requirements under the amended bill. Denver Water did not take a position on this bill.

We supported the following three bills that passed related to watershed health and wildfire mitigation:

- HB20-1004 Assistance Landowner Wildfire Mitigation.
- HB20-1057 Modify Wildfire Risk Mitigation Grant Program.
- SB20-018 Homeless Outreach Programs to Reduce Wildfire Risk.

A full list of all 47 bills we followed this session is attached. All interim committees have been cancelled this summer. During the interim, we will continue our work on building relationships and identifying upcoming issues.

It is an election year and there will be significant turnover again this cycle. Nine members of the Senate and 13 members of the House will be term limited or seeking other paths. This will make our relationship-building efforts a priority leading up to and following the election. The next session will begin on Wednesday, January 13, 2021.

Owner(s) External Affairs

Attachments Summary Table of 2020 Legislation

Respectfully submitted,

Chris Piper, State Affairs Manager

Mike King, Division Chief

Summary Table of 2020 Legislation Through June 15, 2020

Key to Denver Water Tracked Bills
SUPPORT Bills
AMEND Bills
OPPOSE Bills

Bill #	Title	Position	Status	Hearing Date	Review Status
HB20-1004	Assistance Landowner Wildfire Mitigation	Support	House Committee on Finance Refer Amended to Appropriations (02/24/2020)		Complete
HB20-1057	Modify Wildfire Risk Mitigation Grant Program	Support	Governor Signed (03/24/2020)		Complete
HB20-1094	Repeal Fee Cap On-site Wastewater Treatment System	Support	Governor Signed (03/11/2020)		Complete
HB20-1095	Local Governments Water Elements In Master Plans	Support	Governor Signed (03/24/2020)		Complete
HB20-1157	Loaned Water For Instream Flows To Improve Environment	Support	Governor Signed (03/20/2020)		Complete
SB20-018	Homeless Outreach Programs To Reduce Wildfire Risk	Support	Senate Committee on Appropriations Postpone Indefinitely (06/13/2020)		Complete
HB20-1119	State Government Regulation Of Perfluoroalkyl And Polyfluoroalkyl Substances	Amend	Senate Third Reading Passed - No Amendments (06/10/2020)		Complete
HB20-1138	Public Real Property Index	Amend	House Committee on Transportation & Local Government Refer Amended to Appropriations (02/19/2020)		Complete
HB20-1172	No Abandonment Of Water Rights For Efficiencies	Oppose	House Committee on Rural Affairs & Agriculture Postpone Indefinitely (03/02/2020)		Complete
HB20-1233	Basic Life Functions In Public Spaces	Oppose	House Committee on Transportation & Local Government Postpone Indefinitely (02/26/2020)		Complete

HB20-1287	Colorado Rights Act	Oppose	House Committee on Judiciary Postpone Indefinitely (03/05/2020)		Complete
HB20-1327	Water Diversions From Rio Grande Basin	Oppose	House Committee on Rural Affairs & Agriculture Postpone Indefinitely (03/09/2020)		Complete
SB20-153	Water Resource Financing Enterprise	Oppose	Senate Committee on Agriculture & Natural Resources Postpone Indefinitely (02/13/2020)		Complete
SB20-216	Workers' Compensation For COVID-19	Oppose	Senate Committee on Appropriations Postpone Indefinitely (06/10/2020)		Complete
HB20-1037	Augmentation Of Instream Flows	Monitor	Governor Signed (03/24/2020)		Complete
HB20-1042	PFAS Polyfluoroalkyl Substances Manufacturer Notice Requirements	Monitor	Governor Signed (03/24/2020)		Complete
HB20-1069	Add Water Well Inspectors Identify High-risk Wells	Monitor	House Second Reading Laid Over Daily - No Amendments (06/01/2020)	6/15/2020	Complete
HB20-1072	Study Emerging Technologies For Water Management	Monitor	Senate Committee on Agriculture & Natural Resources Postpone Indefinitely (05/27/2020)		Complete
HB20-1086	Insurance Coverage Mental Health Wellness Exam	Monitor	Senate Committee on Appropriations Postpone Indefinitely (06/10/2020)		Complete
HB20-1089	Employee Protection Lawful Off-duty Activities	Monitor	House Committee on Business Affairs & Labor Postpone Indefinitely (02/19/2020)		Complete
HB20-1097	Connected Municipal Use No Change If Already Quantified	Monitor	House Committee on Rural Affairs & Agriculture Postpone Indefinitely (02/13/2020)		Complete
HB20-1143	Environmental Justice And Projects Increase Environmental Fines	Monitor	Senate Third Reading Passed - No Amendments (06/10/2020)		Complete
HB20-1154	Workers' Compensation	Monitor	House Committee on Business Affairs & Labor Refer Unamended to Appropriations (02/12/2020)		Complete

HB20-1159	State Engineer Confirm Existing Use Instream Flow	Monitor	Governor Signed (04/01/2020)		Complete
HB20-1164	Housing Authority Exemptions From Water Fees	Monitor	House Second Reading Laid Over to 12/31/2020 - No Amendments (05/28/2020)	6/15/2020	Complete
HB20-1173	811 Locate Exemption For County Road Maintenance	Monitor	Senate Committee on Transportation & Energy Postpone Indefinitely (05/26/2020)		Complete
HB20-1180	Protect Pollinators Through Pesticide Regulation	Monitor	House Committee on Finance Postpone Indefinitely (05/28/2020)		Complete
HB20-1215	Sunset Water Wastewater Facility Operators Certification Board	Monitor	House Considered Senate Amendments - Result was to Concur - Repass (06/10/2020)		Complete
HB20-1338	Operational Severance Tax Transfer To Agriculture Value-added	Monitor	House Committee on Rural Affairs & Agriculture Postpone Indefinitely (05/27/2020)		Complete
HB20-1344	Study Artificial Recharge Max Beneficial Use Water	Monitor	House Committee on Rural Affairs & Agriculture Postpone Indefinitely (05/27/2020)		Complete
HB20-1349	Colorado Affordable Health Care Option	Monitor	House Committee on Health & Insurance Refer Amended to Appropriations (03/11/2020)		Complete
HB20-1403	Colorado Water Conservation Board Construction Fund Project	Monitor	House Considered Senate Amendments - Result was to Concur - Repass (06/13/2020)		Complete
SB20-008	Enhance Penalties Water Quality Criminal Violations	Monitor	House Committee on Energy & Environment Postpone Indefinitely (05/28/2020)		Complete
SB20-012	Transmit Renewable Energy Conservation Easements	Monitor	Senate Committee on Transportation & Energy Postpone Indefinitely (02/04/2020)		Complete
SB20-024	Require Public Input On Water Demand Management Program	Monitor	Senate Committee on Agriculture & Natural Resources Postpone Indefinitely (01/30/2020)		Complete
SB20-025	Conservancy District Boards Art And Beautification Projects	Monitor	Governor Signed (03/11/2020)		Complete

SB20-026	Workers' Compensation For Audible Psychological Trauma	Monitor	House Third Reading Passed - No Amendments (06/03/2020)		Complete
SB20-048	Study Strengthening Water Anti-speculation Law	Monitor	Governor Signed (03/11/2020)		Complete
SB20-138	Consumer Protection Construction Defect Time Period	Monitor	Senate Second Reading Laid Over to 12/31/2020 - No Amendments (05/28/2020)		Complete
SB20-155	Keep Presumption Noninjury Well On Divided Land	Monitor	House Third Reading Passed - No Amendments (06/03/2020)		Complete
SB20-159	Global Warming Potential For Public Project Materials	Monitor	Senate Second Reading Laid Over to 12/31/2020 - No Amendments (05/28/2020)		Complete
SB20-170	Update Colorado Employment Security Act	Monitor	House Third Reading Passed - No Amendments (06/12/2020)		Complete
SB20-189	Local Government Pesticide No Preemption	Monitor	Senate Committee on Agriculture & Natural Resources Postpone Indefinitely (05/27/2020)		Complete
SB20-201	Species Conservation Trust Fund Projects	Monitor	House Third Reading Passed - No Amendments (06/12/2020)		Complete
SB20-205	Sick Leave For Employees	Monitor	Senate Considered House Amendments - Result was to Not Concur - Request Conference Committee (06/13/2020)	6/15/2020	Complete
SB20-214	Suspend 2020 Legislative Interim Committees	Monitor	House Third Reading Passed - No Amendments (06/12/2020)		Complete
SB20-216	Workers' Compensation For COVID-19	Monitor	Senate Committee on Appropriations Postpone Indefinitely (06/10/2020)		Complete
SB20-218	CDPHE Colorado Department Of Public Health And Environment Hazardous Substances Response	Monitor	House Third Reading Passed - No Amendments (06/13/2020)	6/15/2020	Complete

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: June 24, 2020

Board Item: II-A-2

Mid-Year Sustainability Update

Strategic Plan Alignment

Lenses: Customer Centric Industry Leader Long-Term View
Sustainability is an integral part of the Strategic Plan, within the Excellent Operations perspective. Our focus on sustainability saves resources, reduces costs, strengthens our resiliency and long-term planning, and positions Denver Water as an industry leader.

Summary

Since its creation in May of 2016, the Sustainability Team has assessed and monitored our use of energy resources, metro-area municipal waste streams and vehicle idling, and facility water consumption. The team also assists with LEED (Leadership in Energy and Environmental Design) and other green building design support and certification support.

The team's daily work includes incorporating sustainability goals into procurement and processes, guiding facility energy and water efficiency upgrades, educating employees about Denver Water's sustainability goals and efforts, assisting with hydroelectric generation program planning, monitoring and improving facility lighting and control systems, leading commissioning of new facilities and systems and monitoring and reporting on sustainability metrics.

Background

As a major water provider in the West, Denver Water views itself as having a special responsibility to the environment, which is incorporated into both our strategic thinking and daily operations. Sustainability for the next 100 years will require innovation, resilience and adaptability in everything we do.

Budget

The budget for system-wide energy efficiency and lighting upgrade projects, support of sustainability pilots, and waste diversion improvements is \$43,000.

Expenditures in 2019 included \$14,500 for LED lighting upgrades at Gross, Winter Park, and Kassler, \$20,000 for monitoring-based commissioning for the Central Utility Plant at the Operations Complex, and \$2,200 for water meters that provide continuous usage monitoring for all buildings at the Operations Complex. Sustainability secured \$6,100 in rebates and supported efficiency projects that will yield \$4,300 in annual energy savings.

In 2020, Sustainability has committed \$10,000 to LED lighting upgrades at Moffat Treatment Plant, \$5,000 to LED upgrades at Winter Park Headquarters, and \$6,550 for a photovoltaic (PV) system monitoring and maintenance contract.

Alternatives

Not applicable

Approach

Facilities

All facilities on the Operations Complex are on track for various levels of LEED certification:

- Administration Building, Platinum
- Three Stones, Silver
- Water Distribution, Silver or Certified
- Trades, Gold
- Meter Shop, Gold

Denver Water aspires to be the best water utility in the nation.

Integrity :: Vision :: Passion :: Excellence :: Respect



- Fleet, Gold
- Warehouse, Gold
- Wellness, Gold

Prior to COVID, the Sustainability Team partnered with Environmental Compliance to attend site audits at Source of Supply (SOS), Treatment, and Distribution facilities to identify opportunities to enhance sustainability, such as lighting improvements, waste reductions, vehicle idling reductions and more at all Denver Water locations.

Energy

The Greenhouse Gas Inventory total for 2019 was 44,234 mtCO₂e (metric tons of carbon dioxide equivalent), a slight decrease from the 2018 total of 44,363 mtCO₂e. Factors contributing to this decrease included reduced energy use, weather, and lower hydropower production at Dillon, Williams Fork, Foothills, Hillcrest, and Roberts Tunnel due to maintenance in 2018.

Monthly idling reports track both the emissions and costs of unnecessary vehicle idling. In 2019, Denver Water's operational idling estimates exceeded \$138,000 in fuel costs. This vehicle idling also contributed 478 metric tons of CO₂ into our atmosphere. The Sustainability Team worked with Fleet Services to create anti-idling signage for the Operations Complex. As of April 2020, the organization exceeded \$39,500 in fuel costs from unnecessary idling.

The team worked with SOS to produce a predictive capacity factor model for the 2020 hydroelectric generation. The 2020 Capacity Season is predicted at 53%, which meets the minimum requirements for Denver Water to maximize the 2021 financial incentive from Xcel.

EnergyCAP, a utility management tool, has been implemented and is now operating. This software improves site-specific energy tracking and reporting. The tool also reduces billing errors, while supporting faster payment, better budget tracking and usage tracking, and rapid measurement and verification of energy efficiency projects and operational adaptations.

Monitoring of energy use in the new Administration Building will benefit Denver Water by testing and optimizing the performance of all equipment and identifying savings opportunities and operational inefficiencies during the warranty period.

The Operations Complex photovoltaic system went live in January 2020 and has produced over 460 MWh (megawatt hours) through May of this year. This production is on pace to offset 100% of the Administration Building's energy use, approximately 1,000 MWh. Participation in Xcel's Solar Connect program is contributing carbon-free energy at 10 other Denver Water locations. In total, Denver Water will offset 220,000 kWh (kilowatt hours) of coal-powered energy with solar energy in 2020.

Water

The Sustainability Team tracks and reports water use for the 27 Denver Water metro-area facilities which have consumption data. This use is compared to a site-specific water budget developed in 2019.

Denver Water will continue to refine the water budgets for these facilities based on landscaping, controls, upgrades, and future conservation efforts. A full year of baseline data in 2020 will help Denver Water identify problem sites and make improvements.

Waste

The move into the Administration Building generated a significant amount of solid waste.

The Sustainability Team continues to work with the cafeteria vendor to provide compostable food service items and increase reusable service wear, including a campaign encouraging customers to “commit to quit” using disposable food service items.

Reusable dishware in the break rooms is reducing disposable dish waste.

Procurement and Contracts

Sustainability meets quarterly with Procurement to collaborate on future contracts and make improvements to sustainability terms when contracts are amended. This allows Denver Water to improve operations by requiring sustainability practices from vendors. In addition, the Sustainability Team implemented a new waste hauling contract in February.

Education

Sustainability transitioned Earth Month events into an online format due to COVID-19. Outreach included daily educational posts on Inflow, TAP stories, and virtual lunch-and-learns. In total, the team developed and supported 49 Earth Month outreach and education opportunities and events.

Sustainability also increased the frequency of its “sustainability coffee break” from bi-weekly to weekly, in an online format. Online Sustainability “office hours” continue weekly as well.

In upcoming months, the Sustainability Team will continue improvements to monthly utility data reporting and engagement with employees utilizing EnergyCAP. The team is also preparing the next edition of Denver Water’s Sustainability Guide, which will be complete by year-end.

Owner(s) Kate Taft, Administrative Services

Attachments 2019 Sustainability Guide Report Card

Respectfully submitted,

Kate Taft, Sustainability Manager

Brian Good, Chief Administrative Officer

PLANNING FOR OUR FUTURE

Sustainability Guide Report Card 2019

GOAL	MEASURE	2017	2018	2019	LAST 12 MONTHS	GOAL STATUS
Energy						
Reduce organization-wide greenhouse gas emissions 15% from 2015 baseline by 2020.	mtCO2 equivalent	40,874	44,363	44,234	data confirmed end of June	
Reach energy neutrality by 2020.*	net kWh equivalent	1,900,000	24,400,000	29,900,000	▲23%	a
Identify, track and report energy use organization wide by 2018.	% of portfolio	85%	99%	100%	▲01%	
Water						
Set water budget for each Denver Water facility based on use by 2019.	% of portfolio	0%	12%	100%	▲88%	
Identify, meter, track and report Denver Water use against water budget by 2020.	% of portfolio	0%	32%	80%	▲48%	
Drinking water treatment plants comply with Partnership for Safe Water Phase IV by 2020.	% complete	0%	60%	66%	▲06%	b
Materials						
Reduce municipal solid waste going to landfill 25% from 2016 baseline by 2020.**	tons	255	137	147	▲07%	
Reduce total municipal solid waste (landfill/recycling/compost) per capita 25% from 2016 baseline by 2020.**	lbs/employee	564	351	367	▲05%	
Reduce electronic waste per capita 10% from 2016 baseline by 2020.	lbs/employee	33	16	13	▼19%	
Develop Denver Water Sustainable Procurement Standards by 2020.	% complete	0%	20%	50%	▲30%	

GOAL STATUS

On track

Not Quite

*Only includes electricity and gas, based on an average year.

**Does not currently include remote location facilities or pump stations.

GOAL	MEASURE	2017	2018	2019	LAST 12 MONTHS	GOAL STATUS
Land Use and Ecosystems						
Support the assessment and implementation of an additional 40,000 acres, both National Forest and private lands, by the Colorado State Forest Service, the U.S. Forest Service - Rocky Mountain Region, and the Natural Resources Conservation Service into the From Forests to Faucets Program by 2021.	% complete	10%	25%	60%	▲35%	
Watershed Steering Committee to develop a Watershed Action Plan by 2020.	% complete	10%	20%	40%	▲20%	
Support the Coalition for Upper South Platte in their planning and restoration of Horse Creek to reduce sediment loading into Strontia Springs Reservoir by 50,000 tons per year by 2018.	% complete	20%	75%	100%	▲25%	
People						
All facilities will include programming for smoking cessation and have smoke-free campuses by 2019.	% of facilities	50%	100%		complete	
Zero Lost Work Day incidents by 2020.	# of incidents	4	6	6	▼0%	
Infrastructure and Assets						
All Denver Water operating facilities qualify for Gold status in the Colorado Department of Public Health and Environment's Environmental Leadership Program by 2022.	% complete	50%	70%	70%	▲0%	
Develop a green cleaning policy for all operations by 2018.	% complete	50%	100%		complete	
Incorporate sustainability goals, standards and commitments into Denver Water's Engineering Standards and Capital Project Construction Standards by 2019.	% complete	0%	50%	100%	▲50%	
Develop landscaping standards that include stormwater runoff and water budgets by 2020.	% complete	10%	37%	60%	▲23%	
25% less vehicle accidents than year prior.	# of accidents	74	34	56	▲65%	

Challenges

Reach energy neutrality by 2020.

- a Due to hydropower generation being down for routine and non-routine operations and maintenance at Foothills, Hillcrest, and Williams Fork, Denver Water produced approximately 5,899 MWh less than an average year (average production from 2000-2019). Decreased generation coupled with Marston carrying treatment for most of the load season resulted in 2019 increase of net energy total.

Drinking water treatment plants comply with Partnership for Safe Water Phase IV by 2020.

- b Denver Water will not reach this goal because completing necessary capital upgrades necessary for Safe Water Phase IV are four or five years out. There is investigation into other options besides a capital project.

Watershed Steering Committee to develop a Watershed Action Plan by 2020.

- c Watershed Action Plan completion was extended due to inclusion of Chatfield and Bear Creek watershed into analysis.

Zero Lost Work Day incidents by 2020.

- d Denver Water Safety has a new Safety Maturity Index. This is a combination of cultural indicators, quality assurance indicators and the two previous indicators. Current Score is 3.55 with a goal of 3.75 out of 5.

25% less vehicle accidents than year prior.

- e As Denver Water migrates to the Safety Maturity Index, vehicle accidents make up 1/8th of the overall index score. A driving factor to the increase in maturity will be the continued reduction of vehicle accidents.

DENVER WATER FINANCIAL REPORT

as of 5/31/20

<i>\$ in thousands</i>	Current Budget	YTD Actuals	Rem. Mo. Forecast	Full Year Forecast	Budget Over/(Under)	Budget Var %	Variance Comments
Water sales	306,147	86,810	226,398	313,208	7,061	2.3%	Average daily consumption through May 7% higher than average; expect this to continue into June due to hot and dry conditions
Hydropower	3,872	834	2,835	3,669	(203)	-5.2%	
Special assessments and fees	6,940	2,453	4,281	6,734	(206)	-3.0%	
Interest income	4,169	1,524	1,770	3,294	(875)	-21.0%	Forecast reflects the two interest rate cuts in 2020
Other revenue	8,584	4,319	14,832	19,151	10,566	123.1%	Liquid sulfate settlement (\$740K), DIA S. Campus Fire Protection (\$118K), remove BABs interest (-\$1.2M), S. Adams IGA payoff (\$10.6M)
Sale of assets	700	634	408	1,042	342	48.8%	
SDC revenue and Contributions	38,017	9,480	20,561	30,041	(7,976)	-21.0%	Reduce annual SDC forecast (-\$8M); through May SDC revenue is \$4.7M lower than budget
TOTAL REVENUE	\$ 368,429	\$ 106,054	\$ 271,085	\$ 377,139	\$ 8,710	2.4%	
Proceeds from debt	155,000	158,629	-	158,629	3,629	2.3%	
TOTAL SOURCES OF FUNDS	\$ 523,429	\$ 264,682	\$ 271,085	\$ 535,767	\$ 12,338	2.4%	
Regular wages	87,262	35,215	52,879	88,094	832	1.0%	Budgeted vacancy rate of 5.0%, forecasted vacancy rate of 4.0%
Limited Term Employee wages	1,248	240	692	932	(317)	-25.4%	Delayed hiring
Seasonal Labor	409	18	54	72	(338)	-82.4%	Lower utilization due to remote work and stay at home requirements
Other pay	6,341	2,921	4,387	7,308	967	15.2%	O&M: additional OT, Shift, On Call pay (\$862K)
Applied labor	(10,710)	(3,231)	(6,174)	(9,404)	1,306	-12.2%	
Benefits	44,789	19,367	24,528	43,895	(894)	-2.0%	Medical (-\$374K) and Dental (-\$257K) claims costs lower than expected
Salaries and Benefits	129,340	54,530	76,366	130,896	1,557	1.2%	
Professional services	9,998	2,858	6,235	9,092	(905)	-9.1%	Admin Svcs: Various reductions (-\$156K); Eng: Online manuals (-\$150K); Ext. Affairs: Marketing (-\$228K), WRS contracts (-\$215K); Non-Div.: Issuance costs (\$146K)
Contingent staffing	1,985	442	1,015	1,458	(527)	-26.6%	Lower anticipated costs due to current COVID-19 restrictions
Purchased services	13,120	6,795	6,823	13,618	498	3.8%	Admin Svcs: Software costs (\$100K); Non-Div.: Insurance renewals (\$156K); O&M: Water Distribution costs (\$261K)
Construction and field services	4,261	2,645	2,643	5,287	1,027	24.1%	O&M: Boring services (\$165K), paving (\$1.1M), barricades and signage (\$47K), hauling/trucking (-\$200K), vacuum excavating (-\$29K)
Waste disposal services	1,111	439	753	1,193	82	7.3%	O&M: Spoils disposal (\$90K)
Facility services	4,965	1,478	3,323	4,802	(163)	-3.3%	
Utilities	8,237	2,693	5,190	7,884	(353)	-4.3%	
Professional and Purchased Services	43,677	17,352	25,982	43,334	(342)	-0.8%	
Materials and supplies	13,738	5,838	8,913	14,751	1,014	7.4%	O&M: Materials for main breaks and service line repairs (\$1.1M)
Chemicals	5,724	1,798	4,188	5,986	262	4.6%	O&M: Advance purchase of pH requirements and fluoride
Materials, Supplies, and Chemicals	19,461	7,636	13,101	20,737	1,276	6.6%	
Travel	661	87	25	112	(549)	-83.0%	Lower anticipated costs due to current COVID-19 restrictions
Training	385	84	219	303	(82)	-21.2%	Lower anticipated costs due to current COVID-19 restrictions
Conferences Registration	344	49	61	110	(234)	-68.0%	Lower anticipated costs due to current COVID-19 restrictions
Travel, Training, and Conferences	1,390	220	305	526	(865)	-62.2%	
Rents and leases	638	249	417	666	28	4.3%	
Conservation (rebates)	-	-	-	-	-	-	
Other insurance and legal claims	250	22	228	250	-	0.0%	
Misc. expenses	255	(90)	100	10	(245)	-96.1%	Sponsorships (-\$178K), inventory adjustments (-\$33K)
Other Expense	1,143	180	746	926	(217)	-19.0%	
TOTAL OPERATING COSTS w/o PROJECTS	\$ 195,011	\$ 79,918	\$ 116,502	\$ 196,419	\$ 1,408	0.7%	
Collection	888	47	921	968	80	9.0%	
Distribution	6,570	2,429	4,141	6,570	-	0.0%	
Expansion	10,701	256	10,285	10,542	(159)	-1.5%	
Information Technology	4,527	1,242	1,971	3,213	(1,314)	-29.0%	PLC Upgrades (\$127K), SCADA Network Design (-\$866K), Segment security (-\$134K), NAC Implementation (-\$273K), ERP Ph II (-\$257K), TIBCO (\$123K)
Operations Support/Other	2,375	579	1,889	2,468	93	3.9%	
Treatment	1,043	581	363	944	(99)	-9.5%	
Operating Projects (incl. applied labor)	26,104	5,136	19,569	24,705	(1,398)	-5.4%	Combined with Capital projects for metric (combined variance is 3.4%)
TOTAL OPERATING COSTS	\$ 221,115	\$ 85,054	\$ 136,071	\$ 221,124	\$ 10	0.0%	

DENVER WATER FINANCIAL REPORT

as of 5/31/20

<i>\$ in thousands</i>	Current Budget	YTD Actuals	Rem. Mo. Forecast	Full Year Forecast	Budget Over/(Under)	Budget Var %	Variance Comments
Collection	36,371	6,466	30,640	37,106	735	2.0%	Ranch Creek Diversion (\$1.7M), Strontia Elec. Upgrade (-\$600K), S. Boulder Trunnion Bearing (-\$558K)
Distribution	77,854	32,683	53,347	86,030	8,176	10.5%	Conduit 16 (\$3.8M), Pump Station Portable Generator (\$2.5M), Mains Contract Work (\$2.1M)
Expansion	16,866	10,431	4,273	14,705	(2,162)	-12.8%	Hazeltine Final Grading (-\$1.5M), National Western Recycled (-\$980K)
Information Technology	156	24	-	24	(132)	-84.7%	CC&B Upgrade (-\$156K)
Operations Support/Other	89,315	13,716	77,769	91,485	2,170	2.4%	OCR (\$4.9M), Water Resources Center (-\$2.6M)
Treatment	75,842	29,000	50,544	79,544	3,702	4.9%	Foothills Filter Media (-\$305K), Northwater TP (\$4.4M)
TOTAL CAPITAL (incl. applied labor)	\$ 296,405	\$ 92,320	\$ 216,573	\$ 308,893	\$ 12,488	4.2%	Combined with Operating projects for metric (combined variance is 3.4%)
Interest expense	26,243	9,382	14,128	23,511	(2,732)	-10.4%	
Principal payments	19,926	1,451	21,410	22,861	2,935	14.7%	
Debt Service	\$ 46,169	\$ 10,833	\$ 35,538	\$ 46,372	\$ 203	0.4%	
TOTAL USES OF FUNDS	\$ 563,688	\$ 188,207	\$ 388,182	\$ 576,389	\$ 12,701	2.3%	

Metrics

Revenue: +/- 5%

Operating expense categories: +/- 5%

Total Operating w/o Projects: +/- 2%

Operating Projects and Capital Projects: +/- 5% combined

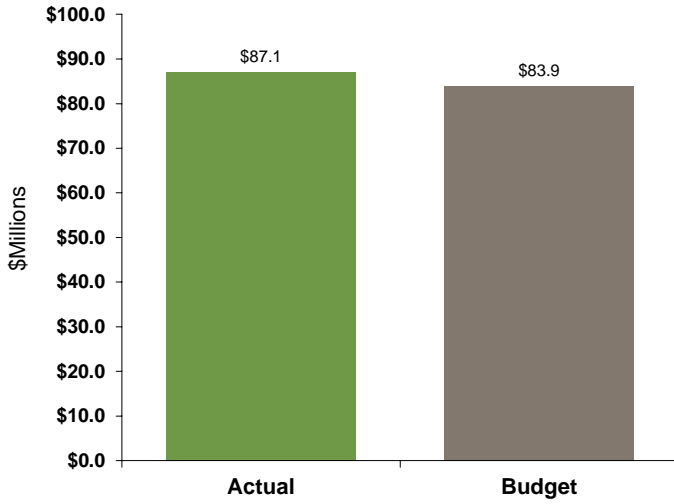
Gray: Items from prior months

Black: Items from current month

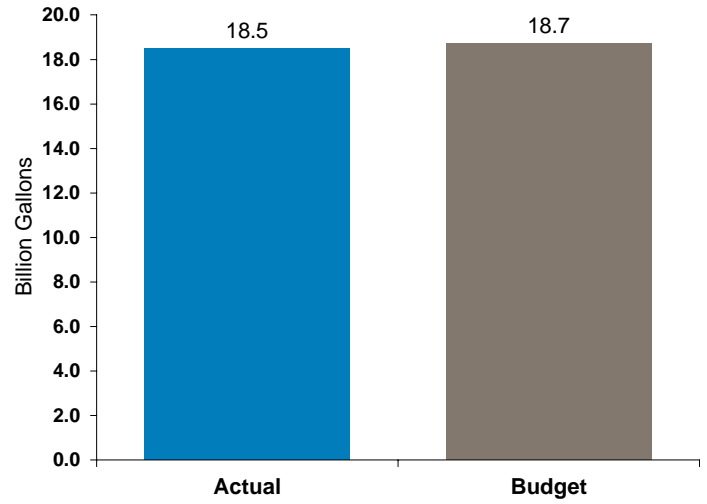
Billed Revenue and Consumption Actuals and Budget

May 2020

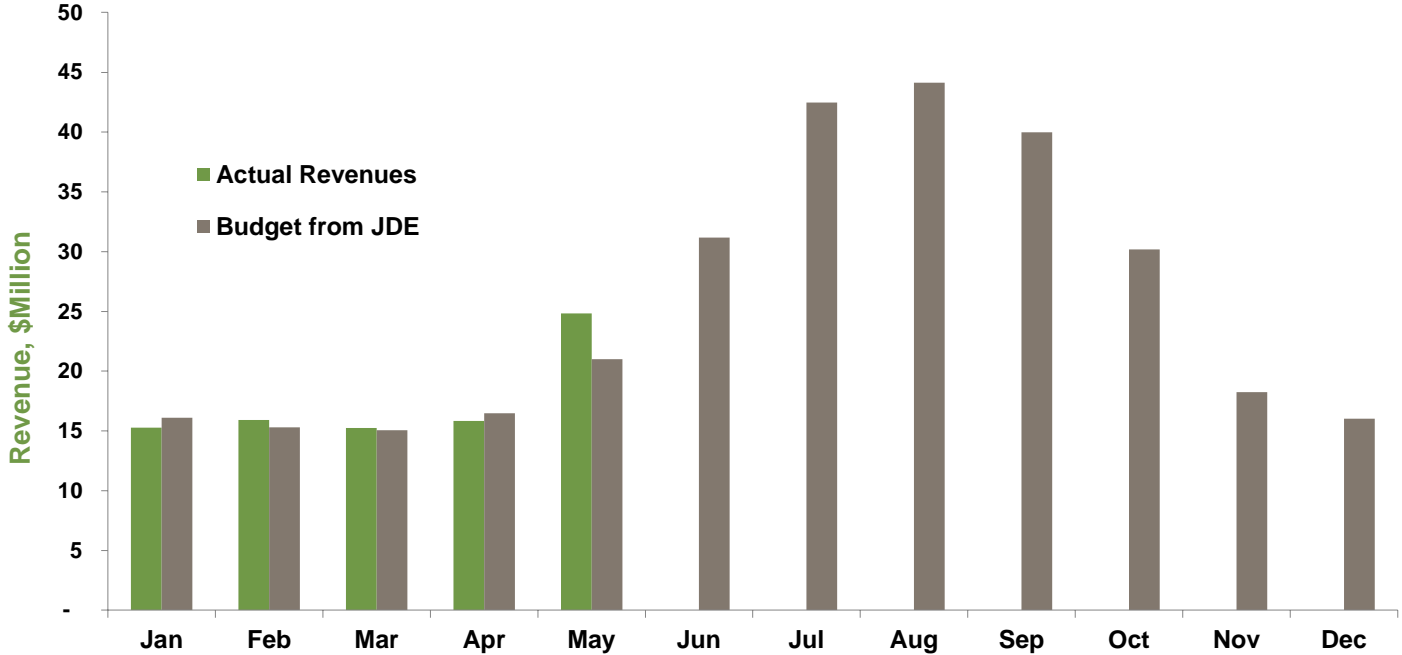
Graph 1: YTD revenue comparison¹



Graph 2: YTD consumption comparison



Graph 3: Comparison of 2020 actual monthly revenue and consumption to forecast monthly revenue



¹ The values in this report are based on bill cycle periods which may not correspond with calendar month periods. As a result, the revenue and consumption in this report can vary from the revenue and consumption reported by accounting.