



SAN ANTONIO WATER COMPANY

BOARD OF DIRECTORS MEETING

Tuesday, September 15, 2020

5:00 p.m.

By Virtual/Online or Teleconference Only

Please join the meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/847358797>

You can also dial in using your phone. United States: +1 (408) 650-3123

Access Code: 847-358-797

- Call to Order
- Salute to the Flag

1. Recognitions and Presentations:

2. Additions-Deletions to the Agenda:

3. Shareholder-Public Testimony:

This is the time for any shareholder or member of the public to address the board members on any topic under the jurisdiction of the Company, which is on or not on the agenda. Please note, pursuant to the Brown Act the board is prohibited from taking actions on items not listed on the agenda. For any testimony, speakers are requested to keep their comments to no more than four (4) minutes, including the use of any visual aids, and to do so in a focused and orderly manner. Anyone wishing to speak is requested to voluntarily fill out and submit a speaker's form to the manager prior to speaking.

4. Consent Calendar Items:

All items listed hereunder are considered to be routine and there will be no separate discussion of these items unless members of the board request specific items to be removed from the consent calendar for separate action. All items listed or remaining will be voted upon in a single action.

- A. Approval of Board Meeting Minutes
Regular Meeting Minutes of August 18, 2020.
- B. Planning, Resources, and Operations Committee (PROC) Meeting Minutes
Meeting minutes of June 23, 2020.
- C. Administration and Finance Committee (AFC) Meeting Minutes
No meeting minutes to report.
- D. Financial Statement
Income Statement and Balance Sheet for July 31, 2020
- E. Investment Activity Report
Monthly Report of Investments Activity.
- F. Water Production and Consumption
Monthly water production and consumption figures.
- G. Prominent Issues Update
Status summaries on certain on-going active issues.
- H. Projects and Operations Update
Status summaries on projects and operations matters.
- I. Groundwater Level Patterns [Quarterly in January, April, July, and October]
Tracking patterns of groundwater elevations relative to ground surface.
- J. Conservation Program Update [Quarterly in January, April, July, and October]
Update on SAWCo's existing water conservation programs
- K. Correspondence of Interest

5. Board Committee – Delegate Report:

- A. PVPA Representative Report
Verbal report on activities at the Pomona Valley Protective Association that have an impact on the Company.
- B. Six Basins Representative Report
Verbal report on activities at the Six Basins Watermaster that have an impact on the Company.
- C. Chino Basin Representative Report
Verbal report on activities at the Chino Basin Watermaster that have an impact on the Company.
- D. Cucamonga Basin Representative Report
Verbal update by staff.
- E. Administration and Finance Committee (AFC) Chairman's Report
No meeting to report.
- F. Planning, Resources, and Operations Committee (PROC) Chairman's Report
Verbal update on meeting held August 25, 2020.
- G. Office Feasibility Study Ad Hoc Committee
No meeting to report.

6. General Manager's Report on Activities

- A. AMI Smart Meters
Discussion and possible action on AMI "SMART" Meter Program
- B. Award of Holly Drive Reservoir, Phase 2
Discussion and possible action on award of a construction contract and a professional services contract.
- C. Company Response to COVID-19
Discussion regarding Company's response to the virus.

7. Closed Session (Will occur under a separate GoToMeeting. Connection information will be provided to the Board of Directors under separate cover).

- A. General Manager's Annual Review, Goals and Objectives [subdivision 9(b) of Section 54957, CGC]
Discussion and Possible Action regarding General Manager's Performance and Goals

8. Director's Comments and Future Agenda Items:

Adjournment:

The next regular Board Meeting will be held on Tuesday, October 20, 2020 at 5:00 p.m.

NOTE: All agenda report items and back-up materials are available for review and/or acquisition at the Company Office (139 No. Euclid Avenue, Upland, CA) during regular office hours, Monday through Thursday [8:00 am – 11:30 am & 12:30 pm – 4:00 pm] and alternating Fridays [8:00 am – 11:30 am & 12:30 pm – 3:00 pm] and on the company's website www.sawaterco.com. The agenda is also available for review and copying at the Upland Public Library located at 450 N. Euclid Avenue.

POSTING STATEMENT: On September 10, 2020 a true and correct copy of this agenda was posted at the entry of the Company's Office (139 No. Euclid Avenue), on the public bulletin boards at 450 No. Euclid Avenue (Upland Public Library) and 460 N. Euclid Avenue (Upland City Hall), and on the Company's website.

SAN ANTONIO WATER COMPANY
MINUTES OF THE SAN ANTONIO WATER COMPANY
Tuesday, August 18, 2020

An open meeting of the Board of Directors of the San Antonio Water Company (SAWCo) was held virtually and called to order at 5:00 p.m. on the above date. Directors present were Tom Thomas, Will Elliott, Rudy Zuniga, Bob Cable, and Martha Goss. Also in attendance were SAWCo's General Manager Brian Lee, Assistant General Manager Teri Layton, and Senior Administrative Specialist Kelly Mitchell. Director Thomas presided.

1. Recognitions and Presentations: None.
2. Additions-Deletions to the Agenda: None.
3. Shareholder-Public Testimony: None.
4. Consent Calendar Items:
 - A. Approval of Board Meeting Minutes
Regular Meeting Minutes of July 21, 2020.
 - B. Planning, Resources and Operations Committee (PROC) Meeting Minutes
No meeting minutes to report.
 - C. Administration and Finance committee (AFC) Meeting Minutes
Meeting minutes of May 26, 2020.
 - D. Financial Statement
Income Statement and Balance Sheet for June 30, 2020.
 - E. Investment Activity Report
Monthly Report of Investments Activity.
 - F. Water Production and Consumption
Monthly water production and consumption figures.
 - G. Prominent Issues Update
Status summaries on certain on-going active issues.
 - H. Projects and Operations Update
Status summaries on projects and operations matters.
 - I. Groundwater Level patterns [Quarterly in January, April, July, and October]
Tracking patterns of groundwater elevations relative to ground surface.
 - J. Conservation Program Update [Quarterly in January, April, July, and October]
Update on SAWCo's existing water conservation programs
 - K. Correspondence of Interest

Director Elliott moved and Director Zuniga seconded to approve the Consent Calendar as presented. Motion carried unanimously.

5. Board Committee – Delegate Report:

- A. **Pomona Valley Protective Association (PVPA) Representative's Report** – Director Thomas reported on PVPA's most recent meeting.

Currently, no water spreading is occurring.

PVPA continues to monitor what happens with H.R. 116-385. PVPA property is included in the original bill and they are attempting to have it removed as it is private land. There is concern of lack of help removing PVPA land from the bill as the office leading the charge is that of Kamala Harris who is now running for Vice President of the United States.

- B. **Six Basins Representative Report** – Ms. Layton reported on the meeting held July 22nd. Wildermuth Environmental, Inc. (WEI) continues working on pumping sustainability metrics.

WEI mentioned they receive well requests, some of which happen to be outside of the immediate area. Upon hearing one of the outside areas is the San Antonio Canyon, SAWCo informed WEI they are interested in receiving information for that area.

The next Six Basins meeting is scheduled for August 26th.

Director Thomas noted all 28 representatives were in attendance at the July 22nd meeting. He also drew attention to the fact that WEI's 5-year contract expired at the end of the year. The majority in attendance did not have a desire to go out to bid on a new contract. He suggested the item be brought to the September meeting for action.

- C. Chino Basin Representative Report** – Mr. Lee reported the debate on whether or not the Appropriative Pool (AP Pool) is responsible for paying legal invoices submitted by the Agriculture Pool (Ag Pool) for the previous fiscal year continues. The AP Pool believes there has been a misinterpretation of the Peace Agreement. There is a possibility it will take court proceedings for a resolution to this matter.
- D. Cucamonga Basin Representative Report** – Ms. Layton advised the group met virtually on August 4th. Changes made to the Terms of Reference document by Cucamonga Valley Water District (CVWD) were reviewed and agreed upon. The document was sent out the previous week. SAWCo discussed the changes with legal counsel and Mr. Lee will be making some minor adjustments to the document based on that discussion. Once signed, SAWCo will work with CVWD on cost sharing for past and present basin projects.

The Request for Proposal (RFP) for engineering work was also discussed. Not enough time was given to review changes made to the RFP, therefore, it will be on the next agenda for discussion and possible approval.

The group has completed its review of and revisions to the Judgment. TKE Engineering will now attempt to categorize the additional discussion items by legal review, technical review, etc. The latest draft of the Judgment was included in SAWCo's Board Agenda Packet.

The next meeting is scheduled for September 1st.

Director Thomas inquired about receiving a copy of the revised Judgment, subject to Board approval, for Cucamonga Basin once complete. Mr. Lee stated the final draft copy most likely will not be available until next year but it will be brought to the Board for adoption.

Director Thomas then asked if a joint workshop between the three agencies and their Board members was being considered. Mr. Lee responded the idea had not been discussed but believed it to be a worthwhile idea.

Another caller logged into the virtual meeting. Mr. Lee inquired as to whether or not they were a Board member or member of the public that wished to identify themselves. Hearing nothing, the meeting proceeded.

- E. Administration and Finance Committee (AFC) Chairman's Report** – The chairman of the AFC was not in attendance. Director Cable, an AFC member, commented all items discussed at the recent AFC meeting are included under the General Manager's Report on Activities.
- F. Planning, Resources, and Operations Committee (PROC) Chairman's Report** – No meeting to report.
- G. Office Feasibility Study Ad Hoc Committee** – Mr. Lee advised full discussion on this item will take place under Agenda Item 6E.

6. General Manager's Report on Activities:

- A. Identity Theft Prevention Program** – Director Thomas stated the program received updates including the listed Board Members.

Mr. Lee reported the AFC reviewed the item and recommended it go to the Board for adoption.

Director Elliott moved and Director Goss seconded to approve the Identity Theft Prevention Program as presented. Motion carried unanimously.

- B. Travel Policy** – Mr. Lee stated this item was also reviewed by the AFC with a recommendation to bring it to the Board for adoption. Previously, SAWCo had only a simple slip to fill out and not an actual policy to follow.

Director Elliott moved and Director Goss seconded to adopt the Travel Policy as presented. Motion carried unanimously.

- C. Employee Handbook Revisions** – Director Thomas commented that he appreciated the mention of the land grants and the history of SAWCo. Mr. Lee felt it important that new employees understand the history behind the Company.

Mr. Lee also commended Ms. Layton for her efforts on this agenda item. She was the catalyst for this update being completed and did a phenomenal job.

Mr. Lee advised when this item was brought to the AFC there were some questions the Committee had that were brought to the Human Resources Legal Consultant for responses.

Ms. Layton advised the AFC inquired about the use of Pregnancy Disability Leave instead of Maternity Leave. The consultant advised that because SAWCo has fewer than 50 employees they do not qualify for the Family Medical Leave Act (FMLA).

The AFC also questioned the use of marijuana now that it has been legalized. Ms. Layton advised the consultant informed the Company they are allowed to include verbiage that prohibits the use of marijuana. Language to that affect was added to the handbook.

- D. Benefit and Compensation Proposals** – Mr. Lee reported staff sent out a Request for Proposals (RFP) for a Benefit and Compensation Study and received three proposals. The item was brought to the AFC who, along with staff, recommended the Board approve RSG for the Benefit and Compensation Study.

Director Thomas commented he felt RSG's proposal was superior and their knowledge of SAWCo will be useful.

Director Cable moved and Director Zuniga seconded to approve RSG for the Benefit and Compensation Study. Motion carried unanimously.

- E. Office and Yard Relocation** – Mr. Lee explained that in 2019 the Ad Hoc Committee was moving forward with the schematic design for a new office and yard facility on property already owned by SAWCo. Due to questions from City of Upland councilmembers, Mr. Lee presented the project at an Upland City Council Meeting in late January 2020. At that time Mr. Lee agreed to look at leasing City of Upland property that might meet SAWCo needs. Shortly thereafter, the COVID-19 Pandemic put everything on hold.

Recently, Mr. Lee was able to meet with the Interim Public Works Director Mr. Steve Nix to view City of Upland property for possible lease agreement. Mr. Lee and Mr. Nix viewed what appears to be

the only City owned property that might meet SAWCo's needs, the City of Upland Public Works Department. City of Upland employees still work out of the building and adding SAWCo staff would cause the facility to become quite cramped. Moving SAWCo office and field operations to the City of Upland Public Works Department does not meet SAWCo's needs and complicates the City of Upland's Public Works Department needs.

Mr. Lee included in the agenda packet a PowerPoint presentation that highlighted the costs for SAWCo to build its own facility, the average cost to lease per square foot and what that total would most likely be for leasing the City of Upland Public Works Department space.

Director Thomas commented that SAWCo began the process of finding or building a new facility several years ago. The only reason to relocate would be if they were better off doing so. It is apparent that leasing a portion of the City of Upland Public Works Department does not make office and field operations better for SAWCo. Concerns were raised over the cost of SAWCo building their own facility however the likelihood of finding a property in the area that meets SAWCo's needs or can be inexpensively converted to meet those needs would likely cost SAWCo more in the long-run.

Director Goss made mention of an office building that her company rents out. She advised that the footprint of the building might be just under what SAWCo would need and that it rents out for \$10,000 per month. She did not see a financial gain in leasing a facility as opposed to building one on already owned land. Director Goss then inquired if SAWCo could build the portion of the facility that is for field staff first so they can run more efficiently more quickly.

Director Cable answered that the Ad Hoc Committee looked into building and moving staff in phases but found it less cost effective than to build the facility in its entirety and have all staff move in at once. The project becomes more expensive the longer it takes to build and the project has already been delayed roughly three years.

There was consensus on the Board to have Mr. Lee present his findings regarding leasing City of Upland facilities, leasing facilities in general, and the cost to build a new facility at an upcoming City of Upland Council Meeting.

Mr. Lee also advised he did a detailed search of available properties for purchase in the area and found the costs to be roughly \$2 million to \$2.5 million per acre. SAWCo needs roughly 2.5 acres in order to accommodate their needs. It is most likely that if SAWCo finds a property to purchase that meets their needs it would cost more than to build on property they already own.

F. Company Response to COVID-19 – Mr. Lee advised the Board that this item will be on the Board agenda each month to allow for any updates or questions related to COVID-19 and its effect on business and staffing operations.

Mr. Lee reported plastic shields have been placed on the front desk for added protection. No significant costs have been incurred for protective gear. Staff continues to rotate working from home and the office with a maximum of three administrative staff in the office at one time.

7. Closed Session: None.

8. Director's Comments and Future Agenda Items: None.

Adjournment:

With no further business to discuss, Director Thomas adjourned the meeting at 5:31 p.m.

Assistant Secretary
Brian Lee

MINUTES OF THE SAN ANTONIO WATER COMPANY
 PLANNING, RESOURCES, and OPERATIONS COMMITTEE
 June 23, 2020

An open meeting of the Planning, Resources, and Operations Committee (PROC) of the San Antonio Water Company (SAWCo) was called to order at 3:00 p.m. on the above date at the Company office located at 139 N. Euclid Avenue, Upland, California and virtually. Committee members present were Will Elliott, Gino Filippi, Martha Goss, and Tom Thomas (virtually). Also in attendance were City of Upland Interim Public Works Director Steve Nix, SAWCo's General Manager Brian Lee and Senior Administrative Specialist Kelly Mitchell. Mr. Elliott presided.

1. Recognitions and Presentations – None.
2. Additions-Deletions to the Agenda – None.
3. Public Comments – None.
4. Approval of Committee Meeting Minutes:
 - A. ***Regular Committee Minutes of April 28, 2020*** – Mr. Filippi moved and Mr. Thomas seconded to approve the meeting minutes of April 28, 2020 as presented. Motion carried unanimously.
5. Planning and Operational Issues:
 - A. ***None.***

Ms. Martha Goss entered the meeting at 3:06 p.m.

6. Planning and Operational Updates -
 - A. ***Project Status Report/Project List***
 - ***2020 Capital Improvement Projects*** – Design and professional services contract was awarded to Civiltec Engineers for \$301,760 which is roughly \$40,000 less than the authorized amount. The projects have been divided into three managed projects. Reservoir 9 pipeline, the Frankish Tunnel, and the Cliff Road, Euclid Crescent, Glendale Road, Linda Lane, and Primrose Lane pipeline replacements. The View Point pipeline replacement is on hold.
 - ***Reservoir 9 Pipeline*** – The survey has been completed. A 30% design plan review was held earlier in the week. The plan is to have the project out to bid by end of summer with construction taking place in early fall.
 - ***Frankish Tunnel Modifications*** – The 30% design review has taken place. A solution to the discrepancy in the location of the discharge box and the location of the meter is being discussed.
 - ***Domestic Pipeline Replacements*** – A domestic meter being served by a long lateral that crosses private property and a natural drainage channel needs to be relocated along with replacement of main pipelines.
 - ***Comprehensive System Master Plan and Asset Management Program*** – The consultant is working on the model for the computer simulation. Hydrant testing will be scheduled most likely towards the end of summer.

- **GIS** – Field staff received training on the system using tablets. They are making corrections to the program as they see them in the field. On a quarterly basis over the next year the consultants will work with field staff to gather data and make corrections to the system. This is a multiyear project with field staff and the consultant continuously updating information.
- **Cucamonga Crosswalls** – There is not much water left in the crosswalls sans the upper basin. Staff received a noise complaint from a Rancho Cucamonga resident through the San Bernardino County Supervisors office. The issue has been resolved.
- **Holly Drive Reservoir Phase II** – Staff is in the final stages working to get ready for permits so the project can go out to bid. A separate inlet/outlet is required of this tank which will be difficult to accomplish and increase costs of roughly \$18,000. This project will hopefully be bid in the next few weeks. Staff hopes to start construction towards the end of summer.
- **AMR/AMI Smart Meters** – Staff has received quotes from four different manufacturers. One manufacturer utilizes cellular service while the other three utilize proprietary networking system. Utilizing cellular service may reduce costs substantially. Staff has purchased five of the meters that utilize cellular service and will test meters in areas where cellular service is known to be bad to help determine if it is a viable option. The cellular signal needs only to be strong enough to send a text message as that is the method the meters will use to send information. A recommendation should be ready by the August PROC meeting.
- **Well 19** – The design of a new Well 19 site has been budgeted for 2020. Staff will be issuing a Request for Proposals (RFP) with the hopes of having design proposals by the August PROC meeting. Mr. Lee advised of a possible lease agreement for a cell tower on the location.
- **City of Upland Street Improvements** – Staff has been receiving plans for street improvements in the city of Upland and has been reviewing and responding as needed.
- **Caltrans I-10 Corridor Project** – SAWCo has a number of waterlines that run underneath this project. Caltrans will be extending the casings on those waterlines.
- **San Bernardino County Flood Control District – Storm and Sewer Work on San Antonio Avenue.** One of SAWCo’s pipelines discharges into the storm sewer to deliver water. SBCFCD needs this space and has volunteered to abandon SAWCo’s pipeline at SBCFCD’s cost as well as allow SAWCo water to travel through SBCFC’s storm sewer at SBCFCD’s cost.
- **Sweet Pea Ranch Expansion** – The owner of Sweet Pea Ranch has design changes that will expand services at the event location. This site is directly north of one of SAWCo’s water supply sources and it is imperative any changes made do not threaten this source. Sweet Pea Ranch has agreed to pave instead of use decomposed granite or dirt and has agreed to bio swells for filtering. All run off will go street side.

7. Basin Issues and Updates

- **San Antonio Canyon Watershed** – Mr. Lee advised the canyon clean-up will not take place the weekend after Independence Day this year. Performing the clean-up

June 23, 2020

in the fall has been considered however, there is a possibility of the event simply not taking place this year.

- **Chino Basin** – Mr. Lee reported there have been several court filings over the past few weeks in the Chino Basin. SAWCo has filed for ability to spread 2,500 acre feet (AF) of water in the basin 2021.
- **Six Basins** – Mr. Thomas advised of efforts coordinating MS4 with the various agencies.
- **Cucamonga Basin** – Mr. Lee reported the working group is meeting regularly. They are nearing the end of their review and revisions. Once complete, the modifications will be presented to the Board.

8. Closed session: None.

9. Committee's Comments and Future Agenda Items: None.

Adjournment: –The meeting adjourned at 3:33 p.m.

Assistant Secretary
Brian Lee



San Antonio Water Company, CA

Item 4D Income Statement Group Summary

For Fiscal: 2020 Period Ending: 07/31/2020

IncomeStatement	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Category: 4 - Income					
SubCategory: 40 - Shareholder Revenue					
1185 - Domestic Water Income (Base)	301,000.00	301,000.00	112.28	104,786.22	196,213.78
1215 - Domestic Water Income (Supplemental)	148,000.00	148,000.00	46.28	82,711.20	65,288.80
1220 - Domestic Water Income (Tier 3)	104,000.00	104,000.00	-735.34	113,935.22	-9,935.22
1230 - Domestic Water Income (Readi/Chrg)	200,000.00	200,000.00	54.34	100,655.08	99,344.92
1235 - Domestic Water Availability Charge (WAC)	60,000.00	60,000.00	10.59	30,466.57	29,533.43
1245 - Municipal Water Income (Base)	3,073,000.00	3,073,000.00	419,914.60	1,889,544.45	1,183,455.55
1268 - Municipal Water Income (Readi/Chrg)	80,000.00	80,000.00	6,900.00	48,300.00	31,700.00
1274 - Misc Water Income (Base)	224,000.00	224,000.00	29,664.92	110,274.85	113,725.15
1275 - Misc Water Income (Supplemental)	126,000.00	126,000.00	6,111.11	29,340.90	96,659.10
1276 - Munnicipal Water Availability Charge (WAC)	477,000.00	477,000.00	39,732.00	278,118.00	198,882.00
1280 - Misc Water Income (Tier 3)	15,000.00	15,000.00	0.00	0.00	15,000.00
1288 - Misc Water Income (Readi/Chrg)	23,000.00	23,000.00	2,050.00	13,440.00	9,560.00
1290 - Misc Water Availability Charge (WAC)	24,000.00	24,000.00	1,922.00	13,454.00	10,546.00
1295 - Dormant Water Availability Charge (WAC)	54,000.00	54,000.00	0.00	26,216.15	27,783.85
1300 - Sale of Water/From Storage	0.00	0.00	0.00	73,979.50	-73,979.50
1302 - Meter Service Fees	0.00	0.00	3,840.00	4,517.00	-4,517.00
1400 - Stock Transfer	5,000.00	5,000.00	150.00	1,890.00	3,110.00
1405 - Capital Facility Connection Fee	0.00	0.00	9,041.00	11,382.00	-11,382.00
1410 - Late/Re-establishment Fee	4,000.00	4,000.00	195.00	1,830.00	2,170.00
1420 - Return Check Fee	0.00	0.00	25.00	150.00	-150.00
1430 - Stock Certificate Storage and Handling Fee	0.00	0.00	0.00	120.00	-120.00
SubCategory: 40 - Shareholder Revenue Total:	4,918,000.00	4,918,000.00	519,033.78	2,935,111.14	1,982,888.86
SubCategory: 42 - Non-Shareholder Revenue					
1725 - Misc. Income	2,000.00	2,000.00	0.00	1,100.60	899.40
1750 - Service/Litigation Agreements	0.00	0.00	63.00	470.01	-470.01
1753 - Ground Lease Income	54,000.00	54,000.00	4,707.84	36,812.88	17,187.12
1755 - Interest Earned	90,000.00	90,000.00	8,838.22	36,961.87	53,038.13
1785 - Gain on Sale of Asset	344,000.00	344,000.00	0.00	1,000.00	343,000.00
SubCategory: 42 - Non-Shareholder Revenue Total:	490,000.00	490,000.00	13,609.06	76,345.36	413,654.64
Category: 4 - Income Total:	5,408,000.00	5,408,000.00	532,642.84	3,011,456.50	2,396,543.50
Category: 5 - O & M Expense					
SubCategory: 50 - Operating Facilities					
2175 - Facility Related Field Labor	221,000.00	221,000.00	12,795.30	127,386.40	93,613.60
2235 - Repairs to Facilities and Equipment	305,000.00	305,000.00	53,285.60	243,672.71	61,327.29
2265 - Power-Gas & Electric (utilities)	600,000.00	600,000.00	95,280.63	275,495.01	324,504.99
SubCategory: 50 - Operating Facilities Total:	1,126,000.00	1,126,000.00	161,361.53	646,554.12	479,445.88
SubCategory: 51 - Operating Activities					
2475 - Customer Service	86,000.00	86,000.00	6,594.15	51,156.36	34,843.64
2498 - Conservation	30,000.00	30,000.00	535.00	6,724.78	23,275.22
SubCategory: 51 - Operating Activities Total:	116,000.00	116,000.00	7,129.15	57,881.14	58,118.86
SubCategory: 52 - Other Operating Expense					
2205 - Non-Facility Related Labor	83,000.00	83,000.00	3,524.46	37,683.17	45,316.83
2210 - O & M - All Other	1,000.00	1,000.00	0.00	2,741.68	-1,741.68
2295 - Supplies (Inventory & Tools Expense)	10,000.00	10,000.00	500.92	5,872.57	4,127.43
2565 - Depreciation/Amortization	901,000.00	901,000.00	80,604.77	540,318.40	360,681.60
2715 - Property Taxes	220,000.00	220,000.00	0.00	102,341.90	117,658.10
2805 - Water Resource Mgmt.	220,000.00	220,000.00	1,946.42	33,419.67	186,580.33
SubCategory: 52 - Other Operating Expense Total:	1,435,000.00	1,435,000.00	86,576.57	722,377.39	712,622.61
Category: 5 - O & M Expense Total:	2,677,000.00	2,677,000.00	255,067.25	1,426,812.65	1,250,187.35

Income Statement

For Fiscal: 2020 Period Ending: 07/31/2020

IncomeStatement	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Category: 6 - G & A Expense					
SubCategory: 60 - Personnel					
2115 - Administrative Services	295,000.00	295,000.00	21,446.55	158,782.48	136,217.52
2130 - Development/Water Svc. App.	1,000.00	1,000.00	0.00	20.49	979.51
2325 - Payroll Taxes	78,000.00	78,000.00	5,695.81	45,187.77	32,812.23
2355 - Worker's Compensation Insurance	16,000.00	16,000.00	3,063.00	7,988.00	8,012.00
2385 - Benefit Pay (Vac., sick, etc.)	147,000.00	147,000.00	16,154.78	122,656.13	24,343.87
2415 - Benefit Insurance (Pension,Life,Medical,Vision etc	241,000.00	241,000.00	18,887.13	134,301.80	106,698.20
2430 - Benefit Administrative Services	1,000.00	1,000.00	0.00	1,185.00	-185.00
SubCategory: 60 - Personnel Total:	779,000.00	779,000.00	65,247.27	470,121.67	308,878.33
SubCategory: 61 - Other					
2445 - Office/IT Support	70,000.00	70,000.00	6,329.50	25,327.97	44,672.03
2505 - Directors Fees & Expense	32,000.00	32,000.00	2,750.00	19,757.80	12,242.20
2535 - Liability Insurance	39,000.00	39,000.00	0.00	29,894.00	9,106.00
2595 - Communication	106,000.00	106,000.00	3,881.05	30,365.31	75,634.69
2625 - Dues & Publications	3,000.00	3,000.00	445.00	1,722.95	1,277.05
2655 - Outside Services	69,000.00	69,000.00	199.22	3,381.83	65,618.17
2745 - Income Tax Expense	8,000.00	8,000.00	0.00	12,000.00	-4,000.00
2775 - Accounting	76,000.00	76,000.00	5,877.34	47,465.51	28,534.49
2776 - Legal	180,000.00	180,000.00	12,698.49	170,340.21	9,659.79
2790 - Human Resources Expense	42,000.00	42,000.00	2,613.91	23,225.68	18,774.32
2865 - All other	42,000.00	42,000.00	87.72	6,062.39	35,937.61
SubCategory: 61 - Other Total:	667,000.00	667,000.00	34,882.23	369,543.65	297,456.35
Category: 6 - G & A Expense Total:	1,446,000.00	1,446,000.00	100,129.50	839,665.32	606,334.68
Total Surplus (Deficit):	1,285,000.00	1,285,000.00	177,446.09	744,978.53	

Fund Summary

Fund	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
10 - 10	1,285,000.00	1,285,000.00	177,446.09	744,978.53	540,021.47
Total Surplus (Deficit):	1,285,000.00	1,285,000.00	177,446.09	744,978.53	



San Antonio Water Company, CA

Item 4D
Balance Sheet
 Account Summary
 As Of 07/31/2020

Account	Name	Balance
Fund: 10 - 10		
Assets		
BalSubCategory: 10 - Cash		
10-00-00-10100-00000	Petty Cash	250.00
10-00-00-10200-00000	Checking Account	1,609,373.95
10-00-00-10300-00000	Savings-Money Market	2,204,411.01
10-00-00-10400-00000	Savings-CD Accounts	20,000.00
10-00-00-10415-00000	D&O Checking Account	787,008.05
10-00-00-10438-00000	Depre/Obsolescence Res (LAIF)	2,323,561.74
	Total BalSubCategory 10 - Cash:	6,944,604.75
BalSubCategory: 11 - Accounts Receivable		
10-00-00-11100-00000	Accounts Receivable-Domestic	22,702.45
10-00-00-11200-00000	Accounts Receivable-Municipal	466,546.60
10-00-00-11250-00000	Accounts Receivable-Misc.	39,716.03
10-00-00-11260-00000	Accounts Receivable - Dormant	5,183.27
10-00-00-11275-00000	Contra Accounts Receivable - Unapplic	-17,953.47
10-00-00-11300-00000	Accounts Receivable-Other	215,649.48
10-00-00-11301-00000	Note Receivable	1,376,000.00
	Total BalSubCategory 11 - Accounts Receivable:	2,107,844.36
BalSubCategory: 12 - Inventory		
10-00-00-12100-00000	Inventories-Materials & Supply	98,772.27
	Total BalSubCategory 12 - Inventory:	98,772.27
BalSubCategory: 13 - Prepaid		
10-00-00-13100-00000	Prepaid Insurance	8,868.75
10-00-00-13105-00000	PREPAID POSTAGE	369.00
	Total BalSubCategory 13 - Prepaid:	9,237.75
BalSubCategory: 14 - Investments		
10-00-00-14150-00000	P.V.P.A. Investment	1.00
10-00-00-14151-00000	457B Plan Investment	23,781.36
	Total BalSubCategory 14 - Investments:	23,782.36
BalSubCategory: 15 - Property, Plant, & Equipment		
10-00-00-15100-00000	Land & Water Rights	920,161.26
10-00-00-15110-1507J	Work in Progress "Proj J"	63,160.15
10-00-00-15110-1602U	Work in Progress	477,677.92
10-00-00-15110-1901	Work In Progress	400.00
10-00-00-15110-1903	Work in Progress	29,006.89
10-00-00-15110-1904	Work in Progress-GIS	43,078.10
10-00-00-15110-2001	Work In Progress	39,310.16
10-00-00-15110-2002	Work In Progress	18,731.37
10-00-00-15110-2003	Work In Progress	70,123.64
10-00-00-15150-00000	Buildings & Site Improvements	1,746,624.52
10-00-00-15200-00000	Wells-Shafts, Bldgs, & Equip	4,888,725.22
10-00-00-15250-00000	Boosters-Bldgs & Equip	2,448,690.30
10-00-00-15300-00000	Reservoirs	3,080,257.33
10-00-00-15350-00000	Tunnels, Forebay, & Ponds	1,587,111.19
10-00-00-15400-00000	Spreading Works-Cucamonga Wash	54,859.53
10-00-00-15410-00000	Spreading Works-SanAntonio Wsh	50,235.18
10-00-00-15450-00000	Pipelines	16,417,363.83
10-00-00-15500-00000	Autos & Equipment	513,205.56
10-00-00-15550-00000	Tools	106,751.11
10-00-00-15600-00000	Telemetry System	600,886.90
10-00-00-15650-00000	Office Equipment	517,659.64

Balance Sheet

As Of 07/31/2020

Account	Name	Balance
10-00-00-15990-00000	Accumulated Depreciation	-13,120,688.49
Total BalSubCategory 15 - Property, Plant, & Equipment:		20,553,331.31
BalSubCategory: 16 - Other Assets		
10-00-00-16100-00000	Documents & Studies	867,778.67
10-00-00-16100-1905	WIP- Master Plan and Asset Managemen	32,848.92
10-00-00-16990-00000	Accumulated Amortization	-660,819.55
Total BalSubCategory 16 - Other Assets:		239,808.04
Total Assets:		29,977,380.84
		<u>29,977,380.84</u>

Liability

BalSubCategory: 13 - Prepaid		
10-00-00-20650-00000	Deferred Revenue Deposit	4,824.00
Total BalSubCategory 13 - Prepaid:		4,824.00
BalSubCategory: 20 - Short-term less than 1 year		
10-00-00-20100-00000	Trade Accounts Payable	128,314.26
10-00-00-20115-00000	D&O Trade Accounts Payable	39,875.00
10-00-00-20600-00000	Water Hydrant Meter Deposit	1,700.00
10-00-GN-20820-00000	Accrued Vacation Payable	20,404.60
10-00-OP-20820-00000	Accrued Vacation Payable	24,818.57
Total BalSubCategory 20 - Short-term less than 1 year:		215,112.43
BalSubCategory: 21 - Long-term more than 1 year		
10-00-00-20152-00000	457B Deferred Comp Liability	23,781.36
10-00-00-21500-00000	Unclaimed Credits	541,561.76
10-00-00-22100-00000	Deferred Gain	1,372,237.78
Total BalSubCategory 21 - Long-term more than 1 year:		1,937,580.90
Total Liability:		2,157,517.33

Equity

BalSubCategory: 30 - Stockholder equity		
10-00-00-30200-00000	Contributed Capital - Ext. Fee	447,258.02
10-00-00-30210-00000	Contr. Property, Plant & Equip	2,432,256.77
10-00-00-30300-00000	Capital Account	1,500,000.00
10-00-00-30310-00000	Unissued Capital Stock	-861,100.00
10-00-00-30400-00000	Retained Earngs-Brd Designated	2,656,215.35
10-00-00-30410-00000	Retained Earnings-Unrestricted	20,900,254.84
Total BalSubCategory 30 - Stockholder equity:		27,074,884.98
Total Beginning Equity:		27,074,884.98
Total Revenue		3,011,456.50
Total Expense		2,266,477.97
Revenues Over/Under Expenses		744,978.53
Total Equity and Current Surplus (Deficit):		27,819,863.51

Total Liabilities, Equity and Current Surplus (Deficit): 29,977,380.84

Monthly Investment Activity Summary - Compiled from Banking Statements for Correlation with Monthly Financials

Institution	Type of Investment	Date of Maturity	Rate of Interest	Amount of Deposit as of 07/31/2020	*Accumulated Yearly Service Fees	Accumulated Yearly Interest Earnings
					thru Jul	thru Jul
Citizens Business Bank (CBB)	*Checking	N/A	No Interest	1,609,373.95	-	N/A
Citizens Business Bank (CBB)	*D&O Checking	N/A	No Interest	787,008.05		N/A
Citizens Business Bank	Pref. Money Mrkt	N/A	0.2000%	2,204,411.01		3,614.24
Local Agency Investment Fund	LAIF	N/A	0.9200%	2,323,561.74		33,197.48
Golden State Business Bank	12 Month C.D.	April 15,2021	1.00%	20,000.00		150.15
TOTAL:				\$ 6,944,354.75		
TOTAL IN CD'S:				\$ 20,000.00		

2020 Production

Item 4F

CHINO BASIN	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Yearly Production Rights = 1232	38.19%	38.21%	38.21%	38.24%	39.48%	49.87%	10.66%	21.18%	31.70%	42.21%	52.73%	63.25%	-
Well #12 - inactive	-	-	-	-	-	-	-	-	-	-	-	-	-
Well #15 - Domestic	0.08	0.09	-	0.11	-	-	-	0.15	-	-	-	-	0.42
Well #16 - Domestic	0.16	0.17	-	0.19	15.25	128.10	131.34	129.43	-	-	-	-	404.64
Well#18 - inactive	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal	0.23	0.26	-	0.30	15.25	128.10	131.34	129.58	-	-	-	-	405.06
CUCAMONGA BASIN	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Yearly Production Rights = 5996 (1496 10-yr Average Spread)	2.57%	6.25%	8.12%	10.89%	17.95%	29.50%	42.02%	54.59%	67.13%	79.68%	92.23%	104.78%	-
Well #2	49.87	0.25	0.09	40.39	121.66	111.86	112.39	111.23	-	-	-	-	547.74
Well #3	0.33	0.40	0.11	0.22	-	0.00	0.26	0.00	-	-	-	-	1.33
Well#19 - inactive	-	-	-	-	-	-	-	-	-	-	-	-	-
Well #22	9.49	18.84	7.17	18.89	50.68	50.49	63.34	59.40	-	-	-	-	278.28
Well #24	0.68	0.43	0.20	0.15	-	317.95	358.77	351.92	-	-	-	-	1,030.11
Well #31	0.33	3.46	1.28	0.10	(0.00)	-	0.47	4.85	-	-	-	-	10.49
Well #32 - Domestic	-	-	-	-	-	-	-	0.09	-	-	-	-	0.09
Upl. # 15 (SAWCo's Rts)	93.55	197.41	102.78	106.46	251.02	212.62	215.24	226.03	-	-	-	-	1,405.12
Subtotal	154.26	220.79	111.64	166.22	423.36	692.92	750.47	753.51	-	-	-	-	3,273.15
Upl. # 15 (WECWCo's Rts) Memo Only	-	-	-	-	-	-	-	-	-	-	-	-	-
SIX BASINS	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Yearly Production Rights = 932	9.81%	19.22%	29.39%	39.27%	56.13%	71.51%	82.62%	93.16%	105.78%	118.18%	130.57%	142.96%	-
Well #25-A	-	-	-	2.06	52.11	42.49	3.81	-	-	-	-	-	100.47
Well #26	46.26	45.92	50.02	43.30	43.30	43.06	44.26	42.68	-	-	-	-	358.81
Well 27-A	45.14	41.80	44.77	46.78	61.70	57.85	55.43	55.61	-	-	-	-	409.08
Subtotal	91.40	87.72	94.80	92.14	157.11	143.40	103.50	98.29	-	-	-	-	868.35
TOTAL PUMPED	245.90	308.77	206.43	258.65	595.71	964.41	985.31	981.38	-	-	-	-	4,546.56
GRAVITY FLOW	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
V screen	524.54	368.06	611.92	879.40	1,137.03	1,050.79	713.07	443.12	-	-	-	-	5,727.92
backwash from city treatment plant	0.74	0.92	0.86	0.96	1.30	6.83	2.54	1.75	-	-	-	-	15.90
San Antonio Tunnel (forebay)	233.50	199.02	207.04	232.16	252.81	243.63	210.45	195.58	-	-	-	-	1,774.19
Frankish & Stamm Tunnel 8"	35.45	12.40	7.33	56.51	59.53	47.95	27.34	-	-	-	-	-	246.51
San Ant. Tunnel Connect to City	-	-	-	-	-	-	-	-	-	-	-	-	-
Discharge to waste	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL GRAVITY	794.23	580.40	827.13	1,169.03	1,450.67	1,349.19	953.40	640.46	-	-	-	-	7,764.51
Monthly													
San Antonio Tunnel	233.50	199.02	207.04	232.16	252.81	243.63	210.45	195.58	-	-	-	-	1,774.19
V Screen, Frankish & Stamm Tunnel and TP Backwash	560.73	381.38	620.10	936.88	1,197.86	1,105.56	742.95	444.87	-	-	-	-	5,990.32
Gravity Production	794.23	580.40	827.13	1,169.03	1,450.67	1,349.19	953.40	640.46	-	-	-	-	7,764.51
Cumulative													
San Antonio Tunnel	233.50	432.52	639.56	871.72	1,124.53	1,368.16	1,578.61	1,774.19	-	-	-	-	1,774.19
V Screen, Frankish & Stamm Tunnel and TP Backwash	560.73	942.10	1,562.20	2,499.08	3,696.94	4,802.50	5,545.45	5,990.32	-	-	-	-	5,990.32
Gravity Production	794.23	1,374.63	2,201.76	3,370.80	4,821.47	6,170.66	7,124.06	7,764.51	-	-	-	-	-
Purchased Water - Upl. City to Dom. Sys.	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Production	1,040.12	889.17	1,033.57	1,427.69	2,046.38	2,313.60	1,938.71	1,621.83	-	-	-	-	12,311.07
Total Cumulative Production	1,040.12	1,929.30	2,962.86	4,390.55	6,436.93	8,750.53	10,689.24	12,311.07	-	-	-	-	-
Domestic Production	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Domestic Production	233.74	199.28	207.04	232.45	268.05	371.73	341.80	325.25	-	-	-	-	2,179.33
Irrigation Production	806.39	689.89	826.53	1,193.17	1,726.22	1,899.39	1,593.10	1,296.59	-	-	-	-	10,031.27
RainFall (Inches)	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
RainFall (Inches)	0.17	0.24	4.69	5.71	-	-	-	-	-	-	-	-	-
Cumulative (Inches)	0.17	0.41	5.10	10.81	10.81	10.81	10.81	10.81	-	-	-	-	-

2020 Consumption

DOMESTIC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Dom. Sys. - Base	52.51	36.97	55.30	37.74	100.91	69.66	137.67	77.27	-	-	-	-	568.03
Dom. Sys. - Supplemental	7.11	21.99	5.61	14.86	9.11	47.89	15.71	52.43	-	-	-	-	174.71
Dom Sys - Tier 3	3.97	19.97	2.36	9.76	2.83	34.67	5.02	35.04	-	-	-	-	113.62
Dom. Sys. - Del. to Upland(24th/Campus)	41.55	72.34	62.25	59.45	60.56	44.53	18.59	0.06	-	-	-	-	359.32
Dom. Sys. -Del. To Upland (Well 16/15)	-	-	-	-	14.92	129.27	132.68	50.90	-	-	-	-	327.78
Dom. Sys. - Del. to Upland(24th/Mtn)-installed 4/2/19	-	0.09	-	-	-	-	-	0.57	-	-	-	-	0.67
Tunnel meter to the Upland	-	-	-	-	-	-	-	-	-	-	-	-	-
Discharge to waste	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	105.14	151.36	125.52	121.81	188.33	326.02	309.67	216.28	-	-	-	-	1,544.13

Truck Loads - note only crosswall projects	-	-	-	-	-	-	-	-	-	-	-	-	-
Well 32 Hydrant Mtr. - note only(started 8/6/18)Crosswalls	1.28	0.09	0.04	0.06	0.13	0.18	0.17	0.16	-	-	-	-	2.11

Irr. Note only Del. to MVWD(wheeled through Upland)	-	-	-	-	-	-	-	-	-	-	-	-	-
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IRRIGATION	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Irrig. Sys.-Upland(Pump & Rec'd) (City W#15)	93.55	197.41	102.78	106.46	251.02	212.62	215.24	226.03	-	-	-	-	1,405.12
Irrig. Sys. - Upl. City - Tier 1	370.45	305.46	306.51	365.49	668.85	950.41	951.02	818.68	-	-	-	-	4,736.86
Irrig. Sys. - Upl. City - Tier 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Monte Vista - Tier 1	48.30	47.00	50.20	46.90	42.80	53.80	53.10	51.60	-	-	-	-	393.70
Irrig. Sys. - Monte Vista - Tier 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Ont. City - Tier 1	42.90	41.70	44.60	41.60	38.00	47.80	47.00	45.80	-	-	-	-	349.40
Irrig. Sys. - Ont. City - Tier 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Cucamonga Valley - Tier 1	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Cucamonga Valley - Tier 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Holiday Rock Co - Tier 1	14.52	14.52	16.67	18.58	22.86	19.96	31.67	31.67	-	-	-	-	170.46
Irrig. Sys. - Holiday Rock Co - Tier 2	4.43	4.76	0.71	5.42	10.49	-	7.06	0.97	-	-	-	-	33.84
Irrig. Sys. - Holiday Rock Co - Tier 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Red Hill Golf Course - Tier 1	8.60	17.66	6.68	18.02	37.72	46.37	52.27	52.27	-	-	-	-	239.59
Irrig. Sys. - Red Hill Golf Course - Tier 2	-	-	-	-	11.00	1.99	7.99	4.83	-	-	-	-	25.81
Irrig. Sys. - Red Hill Golf Course - Tier 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Red Hills HOA - Tier 1	0.01	-	-	0.33	1.53	1.61	1.66	2.13	-	-	-	-	7.26
Irrig. Sys. - Red Hills HOA - Tier 2	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Red Hills HOA - Tier 3	-	-	-	-	-	-	-	-	-	-	-	-	-
Irrig. Sys. - Minor Irrigators - Tier 1	0.58	1.88	0.51	0.46	4.20	5.88	6.56	7.75	-	-	-	-	27.82
Irrig. Sys. - Minor Irrigators - Tier 2	-	0.06	-	-	1.63	1.24	0.80	1.19	-	-	-	-	4.91
Irrig. Sys. - Minor irrigators - Tier 3	-	-	-	-	-	-	-	0.20	-	-	-	-	0.20
TOTAL	583.34	630.45	528.66	603.26	1,059.99	1,341.67	1,374.37	1,243.11	-	-	-	-	7,364.85

COMPANY TOTALS	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
San Antonio Heights	63.59	78.93	63.27	62.36	112.85	152.22	158.40	164.74	-	-	-	-	856.36
City of Upland	505.55	575.30	471.54	531.40	995.35	1,336.82	1,317.53	1,096.25	-	-	-	-	6,829.75
Monte Vista Water District	48.30	47.00	50.20	46.90	42.80	53.80	53.10	51.60	-	-	-	-	393.70
City of Ontario	42.90	41.70	44.60	41.60	38.00	47.80	47.00	45.80	-	-	-	-	349.40
Cucamonga Valley Water District	-	-	-	-	-	-	-	-	-	-	-	-	-
Holiday Rock Company	18.95	19.29	17.38	24.00	3.24	19.96	38.73	32.64	-	-	-	-	174.19
Red Hills Golf Course	8.60	17.66	6.68	18.02	48.72	48.36	60.25	57.10	-	-	-	-	265.39
Red Hill HOA	0.01	-	-	0.33	1.53	1.61	1.66	2.13	-	-	-	-	7.26
Minor Irrigators	0.58	1.95	0.51	0.46	5.83	7.11	7.36	9.13	-	-	-	-	32.93
TOTAL	688.48	781.81	654.18	725.07	1,248.32	1,667.69	1,684.04	1,459.39	-	-	-	-	8,908.98

IRRIGATORS	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Irrigator Emberton	0.12	0.21	0.27	0.20	0.50	1.10	1.17	1.75	-	-	-	-	5.32
Irrigator McMurray	-	-	-	-	-	-	-	0.65	-	-	-	-	0.65
Irrigator Mistretta	-	-	-	-	0.70	0.60	0.65	0.65	-	-	-	-	2.60
Irrigator Nisbit	-	-	-	-	-	0.67	0.76	1.38	-	-	-	-	2.81
Irrigator Scheu	-	-	-	-	4.00	4.00	4.00	4.00	-	-	-	-	15.99
Irrigator Pfister	0.47	1.74	0.23	0.26	0.63	0.74	0.79	0.70	-	-	-	-	5.56

2020 Spread and Storage

Cucamonga Basin	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
23rd St. (Meter) - Basin 6 - A	0.23	-	5.06	7.79	-	-	-	-	-	-	-	-	13.09
15th Street Basin	14.84	-	-	54.04	53.65	0.00	-	-	-	-	-	-	122.53
Basin 3 meter (23rd street Clock)	115.17	60.78	158.28	186.69	127.89	149.85	119.38	65.52	-	-	-	-	983.55
Frankish & Stamm Tunnel to Basin 3	35.45	12.40	41.31	56.51	59.53	47.95	27.34	-	-	-	-	-	280.49
Vscreen via Frankish & Stamm Meter to Basin 3	38.07	-	21.91	0.00	141.64	61.23	0.33	-	-	-	-	-	263.18
PRV Station (res 1)(basin 6)	42.65	0.90	44.99	133.99	127.43	73.63	-	-	-	-	-	-	423.58
Monthly Spread	246.41	74.08	249.64	439.03	368.50	271.43	147.04	65.52	-	-	-	-	1,861.64
Cumulative Spread	246.41	320.49	570.13	1,009.16	1,377.66	1,649.08	1,796.13	1,861.64	-	-	-	-	

Six Basins	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Monthly Spread	130.23	38.05	161.17	207.25	-	-	117.64	11.21	-	-	-	-	665.56
Cumulative Spread	130.23	168.28	329.46	536.71	536.71	536.71	654.35	-	-	-	-	-	

Note: City of Upland Well Exercising may contribute to spread

Note: Maximum end of year storage limit: 2,000 AF

Previous Storage	2,155.64	2,272.14	2,300.14	2,444.18	2,636.96	2,557.52	2,491.79	2,583.60					
Spread	130.23	38.05	161.17	207.25	-	-	117.64	11.21					
Unused Monthly OSY	(13.73)	(10.05)	(17.13)	(14.47)	(79.44)	(65.73)	(25.83)	(20.62)					
Current Storage Estimate	2,272	2,300	2,444	2,637	2,558	2,492	2,584	2,574					

932 yearly OSY = 77.67 monthly OSY

Chino Basin	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Monthly Spread	-	-	-	154.63	472.60	444.13	-	-	-	-	-	-	1,071.35
Cumulative Spread	-	-	-	154.63	627.23	1,071.35	1,071.35	-	-	-	-	-	

Local Supplemental Account (Spreading)*	3,923.25	3,923.25	3,923.25	3,923.25	4,077.88	4,550.48	4,994.60	4,994.60					
Carry Over Account	1,232.00	1,232.00	1,232.00	1,232.00	1,232.00	1,232.00	1,232.00	1,233.00					
Excess Carry Over Account*	1,433.40	1,535.83	1,638.24	1,740.91	1,843.28	1,930.70	1,905.27	1,876.59					
Preemptive Replenishment Account	-	-	-	-	-	-	-	1.00					
Total Storage	6,588.65	6,691.08	6,793.49	6,896.16	7,153.16	7,713.18	8,131.87	8,105.20					
Spread	-	-	-	154.63	472.60	444.13	-	-					
Unused Monthly OSY	102.43	102.40	102.67	102.37	87.42	(25.43)	(28.68)	(26.91)					
Current Storage Estimate*	6,691	6,793	6,896	7,153	7,713	8,132	8,103	8,078					

1,232 yearly OSY = 102.67 monthly OSY

* Does not include yearly storage losses calc of 0.07%

Company Wide	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Monthly Spread	376.64	112.13	410.81	800.91	841.09	715.55	264.69	76.73	-	-	-	-	3,598.56
Cumulative Spread	376.64	488.77	899.59	1,700.50	2,541.60	3,257.15	3,521.84	3,598.56	-	-	-	-	
Total Current Storage Estimate	8,963	9,094	9,340	9,790	10,271	10,624	10,687	10,652					

Meter to spread ponds (NOTE ONLY)	71.45	72.53	59.44	44.53	-	97.34	89.29	-	-	-	-	-	434.59
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2020 Production v Consumption

Yearly %	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%

Consumption versus Entitlement, Company Wide **Active Shares**

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Consumption	688.48	781.81	654.18	725.07	1,248.32	1,667.69	1,684.04	1,459.39	-	-	-	-	
Cumulative Consumption	688.48	1,470.30	2,124.48	2,849.55	4,097.86	5,765.55	7,449.59	8,908.98	-	-	-	-	8,908.98
<i>Cumulative Entitlement (straight line)</i>	<i>1,047.56</i>	<i>2,095.11</i>	<i>3,142.67</i>	<i>4,190.22</i>	<i>5,237.78</i>	<i>6,285.33</i>	<i>7,332.89</i>	<i>8,380.45</i>	-	-	-	-	12,571
% of Entitlement*	5.48%	11.70%	16.90%	22.67%	32.60%	45.87%	59.26%	70.87%	82.66%	94.45%	106.23%	118.03%	70.9%

Consumption versus Entitlement, Company Wide **Total Shares**

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Consumption	688.48	781.81	654.18	725.07	1,248.32	1,667.69	1,684.04	1,459.39	-	-	-	-	
Cumulative Consumption	688.48	1,470.30	2,124.48	2,849.55	4,097.86	5,765.55	7,449.59	8,908.98	-	-	-	-	8,908.98
<i>Cumulative Entitlement (straight line)</i>	<i>1,083.33</i>	<i>2,166.67</i>	<i>3,250.00</i>	<i>4,333.33</i>	<i>5,416.67</i>	<i>6,500.00</i>	<i>7,583.33</i>	<i>8,666.67</i>	-	-	-	-	13,000
% of Entitlement*	5.30%	11.31%	16.34%	21.92%	31.52%	44.35%	57.30%	68.53%	79.93%	91.33%	102.73%	114.13%	68.5%

Production versus Consumption, Company Wide

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Production	1,040.12	889.17	1,033.57	1,427.69	2,046.38	2,313.60	1,938.71	1,621.83	-	-	-	-	12,311.07
Consumption	688.48	781.81	654.18	725.07	1,248.32	1,667.69	1,684.04	1,459.39	-	-	-	-	8,908.98
Spread	376.64	112.13	410.81	800.91	841.09	715.55	264.69	76.73	-	-	-	-	3,598.56
Total Consumption	1,065.13	893.94	1,064.99	1,525.99	2,089.41	2,383.24	1,948.73	1,536.11	-	-	-	-	12,507.54
Difference	(25.00)	(4.77)	(31.43)	(98.30)	(43.03)	(69.64)	(10.02)	85.72	-	-	-	-	(196.47)
% of Production	-2.4%	-0.5%	-3.0%	-6.9%	-2.1%	-3.0%	-0.52%	5.3%	0.0%	0.0%	0.0%	0.0%	-1.6%

Production versus Consumption, Domestic System

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Production	233.74	199.28	207.04	232.45	268.05	371.73	341.80	325.25	-	-	-	-	2,179.33
Consumption	105.14	151.36	125.52	121.81	188.33	326.02	309.67	216.28	-	-	-	-	1,544.13
Monthly Difference	128.59	47.92	81.52	110.64	79.72	45.71	32.12	108.97	-	-	-	-	635.20
% difference	122.30%	31.66%	64.95%	90.83%	42.33%	14.02%	10.37%	50.39%	0.00%	0.00%	0.00%	0.00%	41.1%

Production versus Consumption, Irrigation System

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Production	806.39	689.89	826.53	1,193.17	1,726.22	1,899.39	1,593.10	1,296.59	-	-	-	-	10,031.27
Addition from Domestic	128.59	47.92	81.52	110.64	79.72	45.71	32.12	108.97	-	-	-	-	635.20
Total Production	934.98	737.81	908.05	1,303.82	1,805.94	1,945.10	1,625.22	1,405.56	-	-	-	-	10,666.48
Consumption	959.98	742.58	939.48	1,404.17	1,901.08	2,057.22	1,639.05	1,319.84	-	-	-	-	10,963.41
Monthly Difference	(25.00)	(4.77)	(31.43)	(100.36)	(95.14)	(112.12)	(13.83)	85.72	-	-	-	-	(296.93)
% difference	-2.60%	-0.64%	-3.35%	-7.15%	-5.00%	-5.45%	-0.84%	6.49%	0.00%	0.00%	0.00%	0.00%	-2.7%

* - Out months are Exponential Smoothing (ETS) forecasts based on consumption to date

2020 GW Production Rights

Yearly %	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%

Cucamonga Basin Production

Yearly Production Rights = 5996 (4,500AF + 1496AF 10-yr Average Spread)

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Production	154.26	220.79	111.64	166.22	423.36	692.92	750.47	753.51	-	-	-	-	
Cumulative Production	154.26	375.05	486.69	652.91	1,076.26	1,769.18	2,519.65	3,273.15	-	-	-	-	3,273.15
Cumulative Production Rights	499.70	999.40	1,499.10	1,998.80	2,498.50	2,998.20	3,497.89	3,997.59	-	-	-	-	5,996
% of Production Rights*	2.57%	6.25%	8.12%	10.89%	17.95%	29.50%	42.02%	54.59%	67.13%	79.68%	92.23%	104.78%	54.6%

Six Basins Production

Yearly Production Rights = 932AF

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Production	91.40	87.72	94.80	92.14	157.11	143.40	103.50	98.29	-	-	-	-	
Cumulative Production	91.40	179.12	273.92	366.05	523.16	666.56	770.06	868.35	-	-	-	-	868.35
Cumulative Production Rights	77.68	155.35	233.03	310.70	388.38	466.05	543.73	621.40	-	-	-	-	932
% of Production Rights*	9.81%	19.22%	29.39%	39.27%	56.13%	71.51%	82.62%	93.16%	105.78%	118.18%	130.57%	142.96%	93.2%

Chino Basin Production

Note: Chino Basin production rights are calculated from July through June.

Yearly Production Rights = 1232AF

	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR
Production		0.23	0.26	-	0.30	15.25	128.10	131.34	129.58	-	-	-	-	405.06
Cumulative Production for 2020		0.23	0.49	0.49	0.79	16.04	144.13	275.48	405.06	-	-	-	-	
Water Year 19-20														
Cumulative Production	470.30	470.53	470.79	470.79	471.09	486.34	614.43							614.43
Cumulative Rights	616.00	718.67	821.33	924.00	1,026.67	1,129.33	1,232.00							1,232.00
% of Production Rights 19-20*		38.19%	38.21%	38.21%	38.24%	39.48%	49.87%							
Water Year 20-21														
Cumulative Production								131.34	260.92	-	-	-	-	392.27
Cumulative Rights								102.67	205.33	308.00	410.67	513.33	616.00	1,232.00
% of Production Rights 20-21*								10.66%	21.18%	31.70%	42.21%	52.73%	63.25%	

* - Out months are Exponential Smoothing (ETS) forecasts based on basin production to date

2020 Consumption Analysis

Yearly %	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%

COMPANY TOTALS

Active Shares

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares
Consumption	688.48	781.81	654.18	725.07	1,248.32	1,667.69	1,684.04	1,459.39	-	-	-	-		6,178
Cumulative Consumption	688.48	1,470.30	2,124.48	2,849.55	4,097.86	5,765.55	7,449.59	8,908.98	-	-	-	-	8,908.98	
Cumulative Entitlement	984.00	1,967.99	2,968.59	3,984.15	5,032.73	6,121.90	7,238.74	8,355.58	-	-	-	-	12,570.67	
% of Yearly Entitlement*	5.48%	11.70%	16.90%	22.67%	32.60%	45.87%	59.26%	70.87%	82.66%	94.45%	106.23%	118.03%	70.87%	

COMPANY TOTALS

All Shares

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares
Consumption	688.48	781.81	654.18	725.07	1,248.32	1,667.69	1,684.04	1,459.39	-	-	-	-		6,389
Cumulative Consumption	688.48	1,470.30	2,124.48	2,849.55	4,097.86	5,765.55	7,449.59	8,908.98	-	-	-	-	8,908.98	
Cumulative Entitlement	1,083.33	2,166.67	3,250.00	4,333.33	5,416.67	6,500.00	7,583.33	8,666.67	-	-	-	-	13,000.00	
% of Yearly Entitlement*	5.30%	11.31%	16.34%	21.92%	31.52%	44.35%	57.30%	68.53%	79.93%	91.33%	102.73%	114.13%	68.53%	

San Antonio Heights

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares
Consumption	63.59	78.93	63.27	62.36	112.85	152.22	158.40	164.74	-	-	-	-		624
Cumulative Consumption	63.59	142.52	205.79	268.15	381.00	533.22	691.62	856.36	-	-	-	-	856.36	
Cumulative Entitlement	68.48	136.95	215.53	303.12	410.89	543.36	692.68	842.00	-	-	-	-	1,268.66	
% of Yearly Entitlement*	5.01%	11.23%	16.22%	21.14%	30.03%	42.03%	54.52%	67.50%	80.43%	93.36%	106.29%	119.21%	67.50%	

City of Upland

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares
Consumption	505.55	575.30	471.54	531.40	995.35	1,336.82	1,317.53	1,096.25	-	-	-	-		4,514.75
Cumulative Consumption	505.55	1,080.85	1,552.39	2,083.79	3,079.14	4,415.96	5,733.50	6,829.75	-	-	-	-	6,829.75	4,515.00
Cumulative Entitlement	765.53	1,531.06	2,296.59	3,062.29	3,827.87	4,593.44	5,359.02	6,124.59	-	-	-	-	9,186.38	Apr-20 9,186.88
% of Yearly Entitlement*	5.50%	11.77%	16.90%	22.68%	33.52%	48.07%	62.41%	74.35%	86.53%	98.70%	110.88%	123.09%	74.35%	

Monte Vista Water District

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares
Consumption	48.30	47.00	50.20	46.90	42.80	53.80	53.10	51.60	-	-	-	-		330
Cumulative Consumption	48.30	95.30	145.50	192.40	235.20	289.00	342.10	393.70	-	-	-	-	393.70	
Cumulative Entitlement	55.91	111.83	167.74	223.65	279.57	335.48	391.39	447.31	-	-	-	-	670.96	
% of Yearly Entitlement*	7.20%	14.20%	21.69%	28.68%	35.05%	43.07%	50.99%	58.68%	65.95%	73.31%	80.69%	88.08%	58.68%	

City of Ontario

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares
Consumption	42.90	41.70	44.60	41.60	38.00	47.80	47.00	45.80	-	-	-	-		295
Cumulative Consumption	42.90	84.60	129.20	170.80	208.80	256.60	303.60	349.40	-	-	-	-	349.40	
Cumulative Entitlement	50.06	100.13	150.19	200.25	250.32	300.38	350.44	400.51	-	-	-	-	600.76	
% of Yearly Entitlement*	7.14%	14.08%	21.51%	28.43%	34.76%	42.71%	50.54%	58.16%	65.37%	72.67%	79.98%	87.30%	58.16%	

* - Out months are Exponential Smoothing (ETS) forecasts based on consumption to date

2020 Consumption Analysis

Yearly %	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%

Cucamonga Valley Water District

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares	
Consumption	-	-	-	-	-	-	-	-	-	-	-	-			4
Cumulative Consumption	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cumulative Entitlement	-	-	-	-	-	-	-	-	-	-	-	-	8.14		
% of Yearly Entitlement*	-	-	-	-	-	-	-	-	-	-	-	-			

Holiday Rock Company

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares	
Consumption	18.95	19.29	17.38	24.00	33.35	19.96	38.73	32.64	-	-	-	-			132
Cumulative Consumption	18.95	38.24	55.62	79.62	112.97	132.93	171.66	204.30	-	-	-	-	204.30		
Cumulative Entitlement	14.52	29.05	45.72	64.29	87.15	115.25	146.92	178.60	-	-	-	-	269.10		
% of Yearly Entitlement*	7.04%	14.21%	20.67%	29.59%	41.98%	49.40%	63.79%	75.92%	85.51%	95.62%	105.83%	116.09%	75.92%		

Red Hills Golf Course

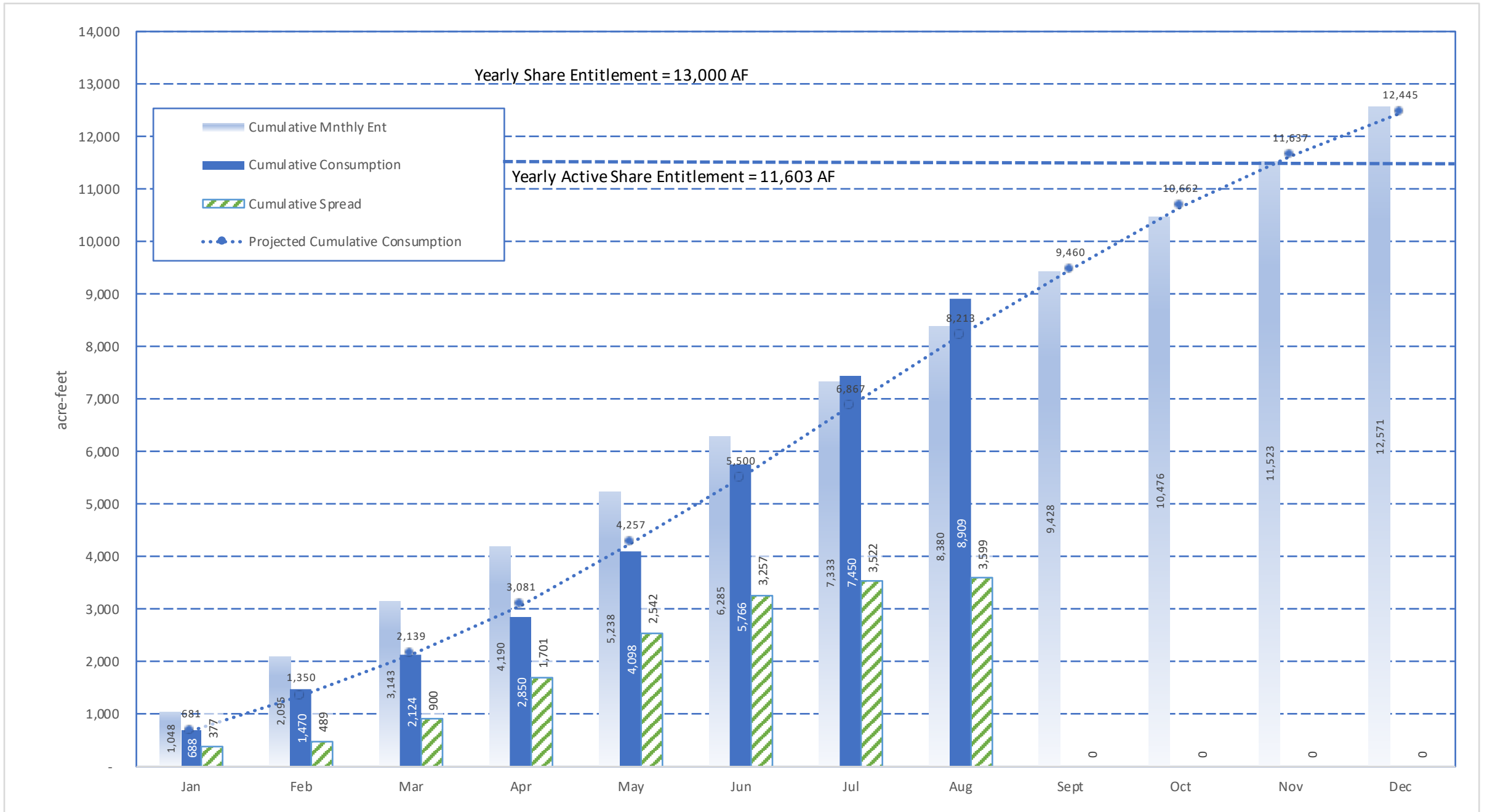
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares	
Consumption	8.60	17.66	6.68	18.02	48.72	48.36	60.25	57.10	-	-	-	-			218
Cumulative Consumption	8.60	26.25	32.93	50.96	99.68	148.04	208.30	265.39	-	-	-	-	265.39		
Cumulative Entitlement	23.97	47.94	75.45	106.10	143.83	190.20	242.46	294.73	-	-	-	-	444.08		
% of Yearly Entitlement*	1.94%	5.91%	7.42%	11.47%	22.45%	33.34%	46.90%	59.76%	72.67%	85.58%	98.48%	111.39%	59.76%		

Minor Irrigators

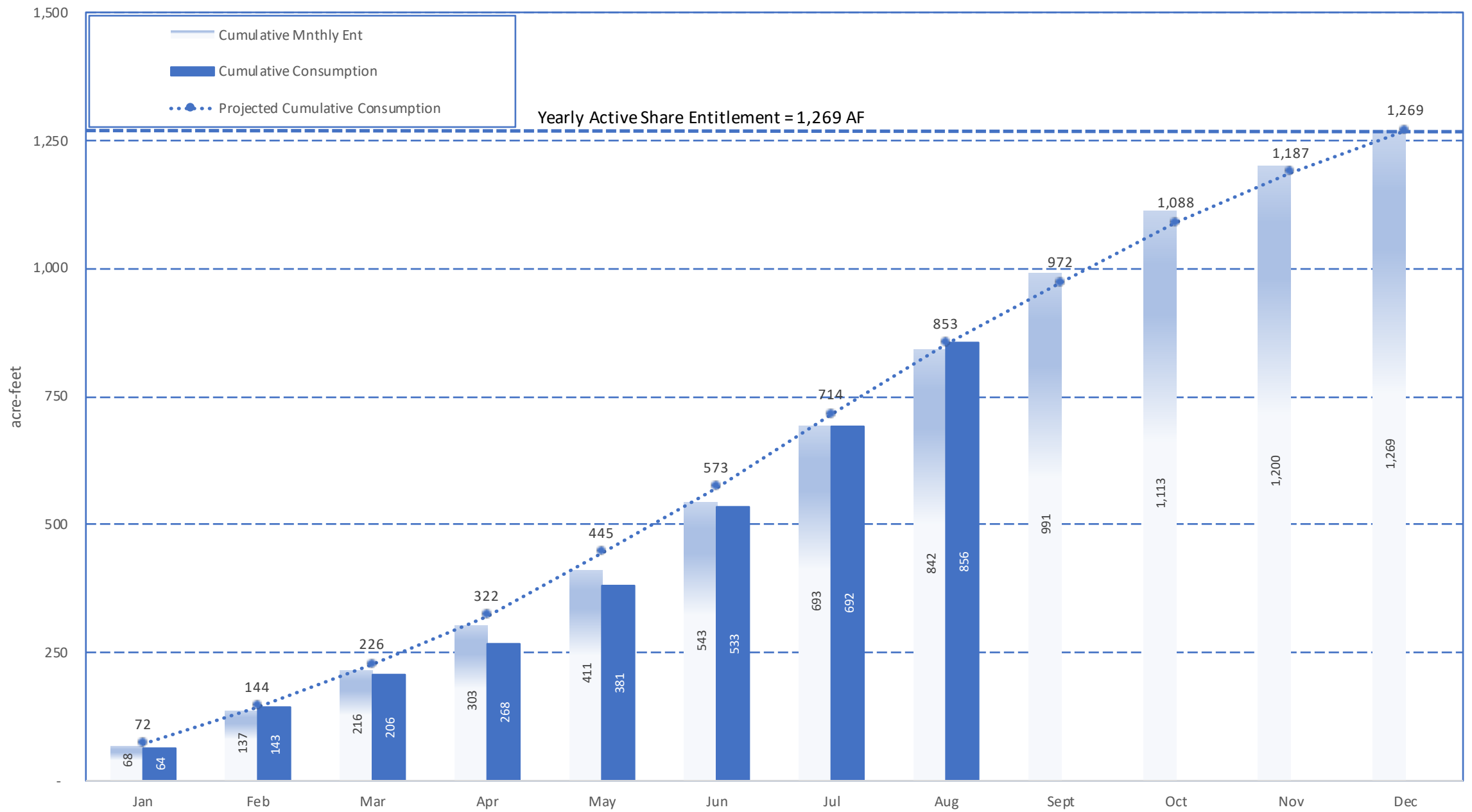
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	THIS YEAR	Shares	
Consumption	0.58	1.95	0.51	0.46	5.83	7.11	7.36	9.13	-	-	-	-			50
Cumulative Consumption	0.58	2.53	3.04	3.49	9.32	16.43	23.79	32.93	-	-	-	-	32.93		
Cumulative Entitlement	5.52	11.04	17.37	24.43	33.11	43.79	55.83	67.86	-	-	-	-	102.25		
% of Yearly Entitlement*	0.57%	2.47%	2.97%	3.42%	9.12%	16.07%	23.27%	32.20%	40.96%	49.71%	58.47%	67.24%	32.20%		

* - Out months are Exponential Smoothing (ETS) forecasts based on consumption to date

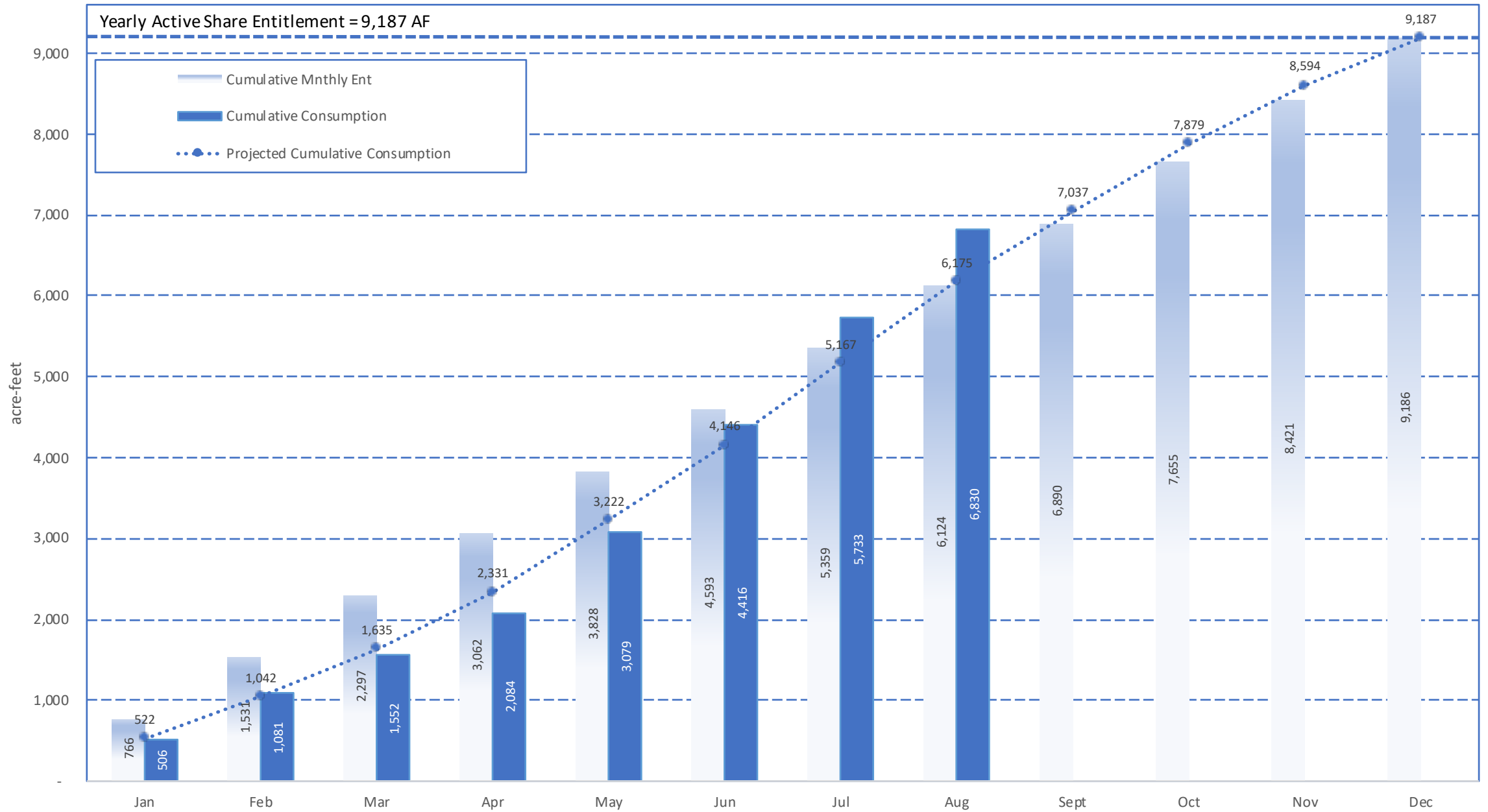
2020 Consumption Chart



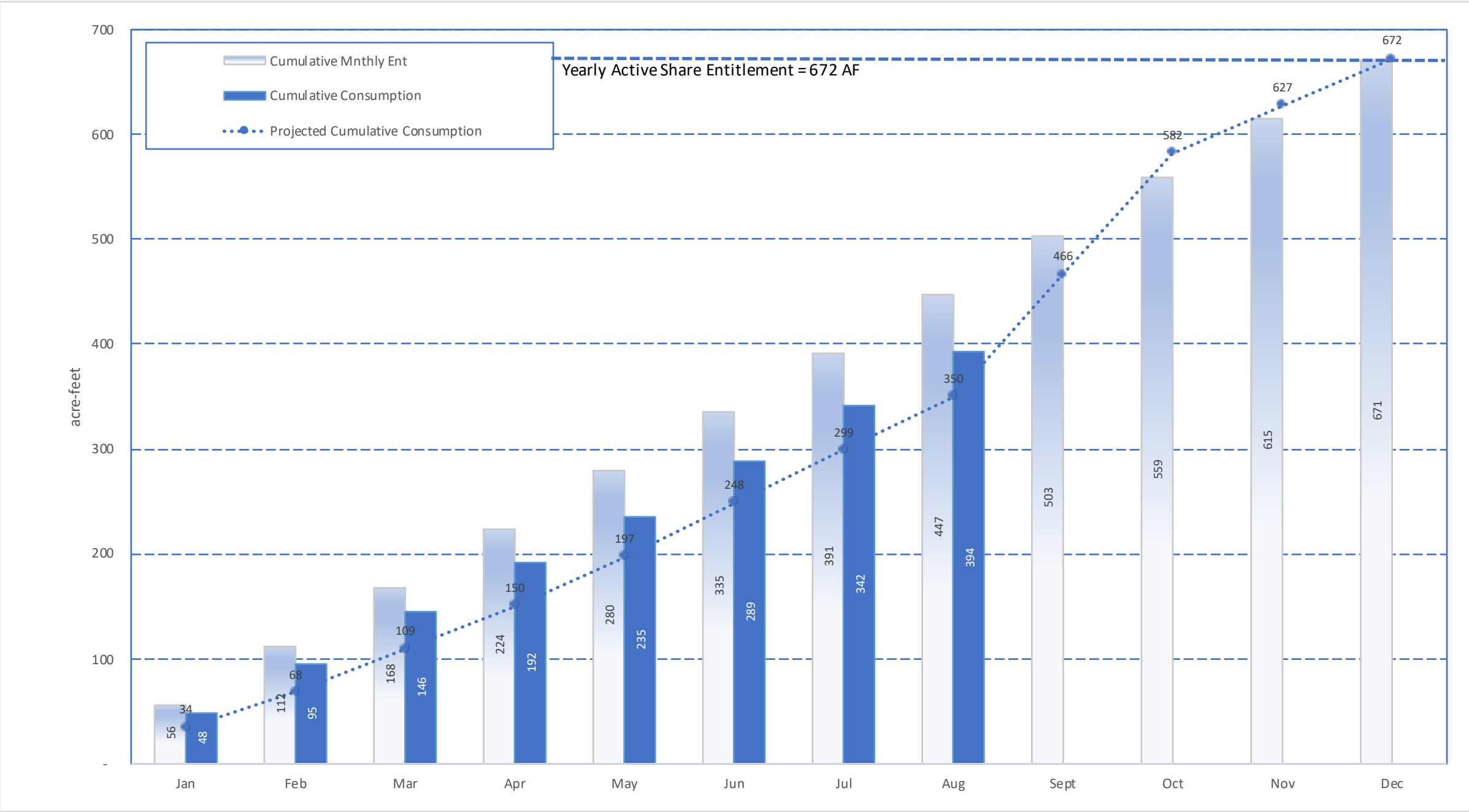
2020 Domestic Consumption



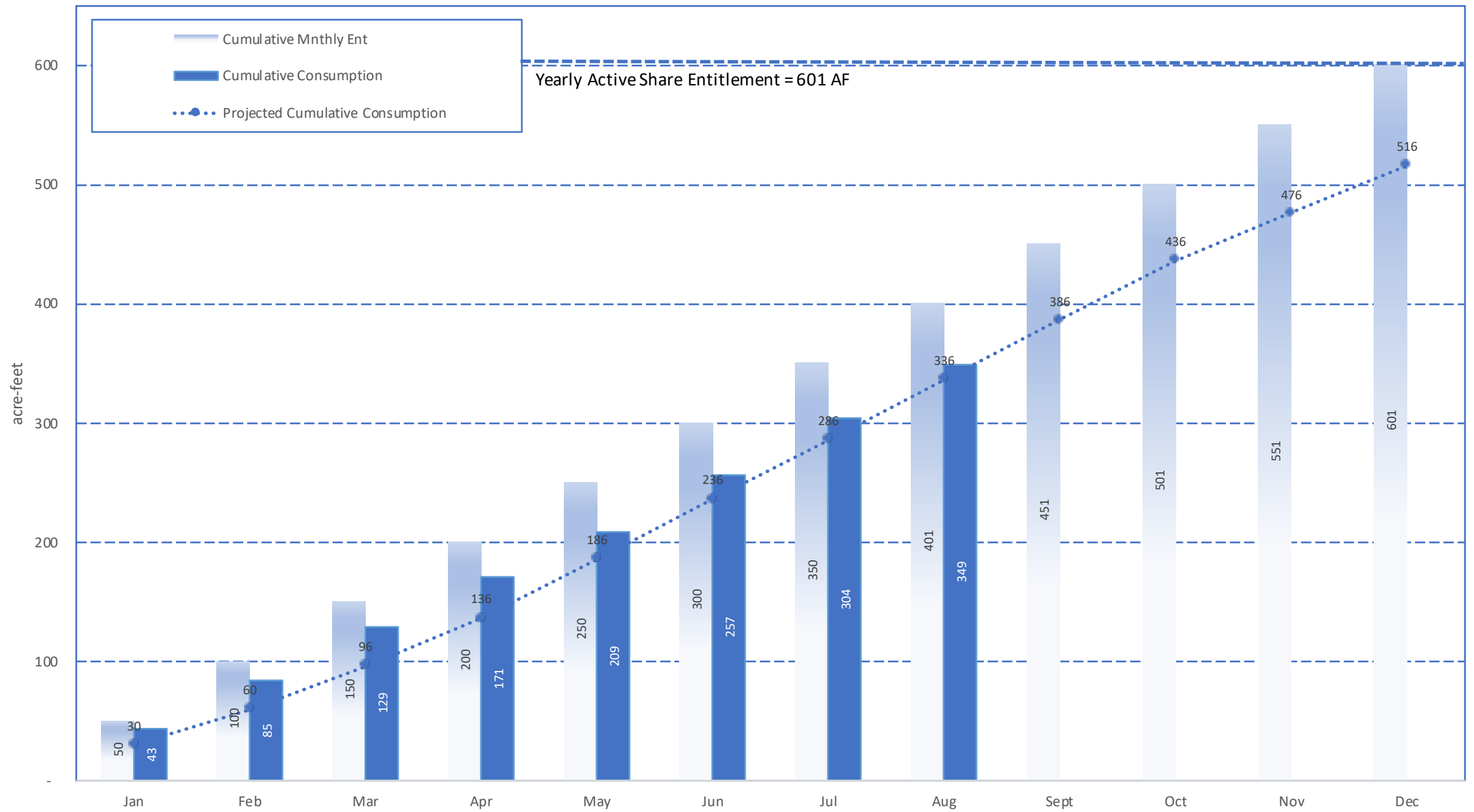
2020 Upland Consumption



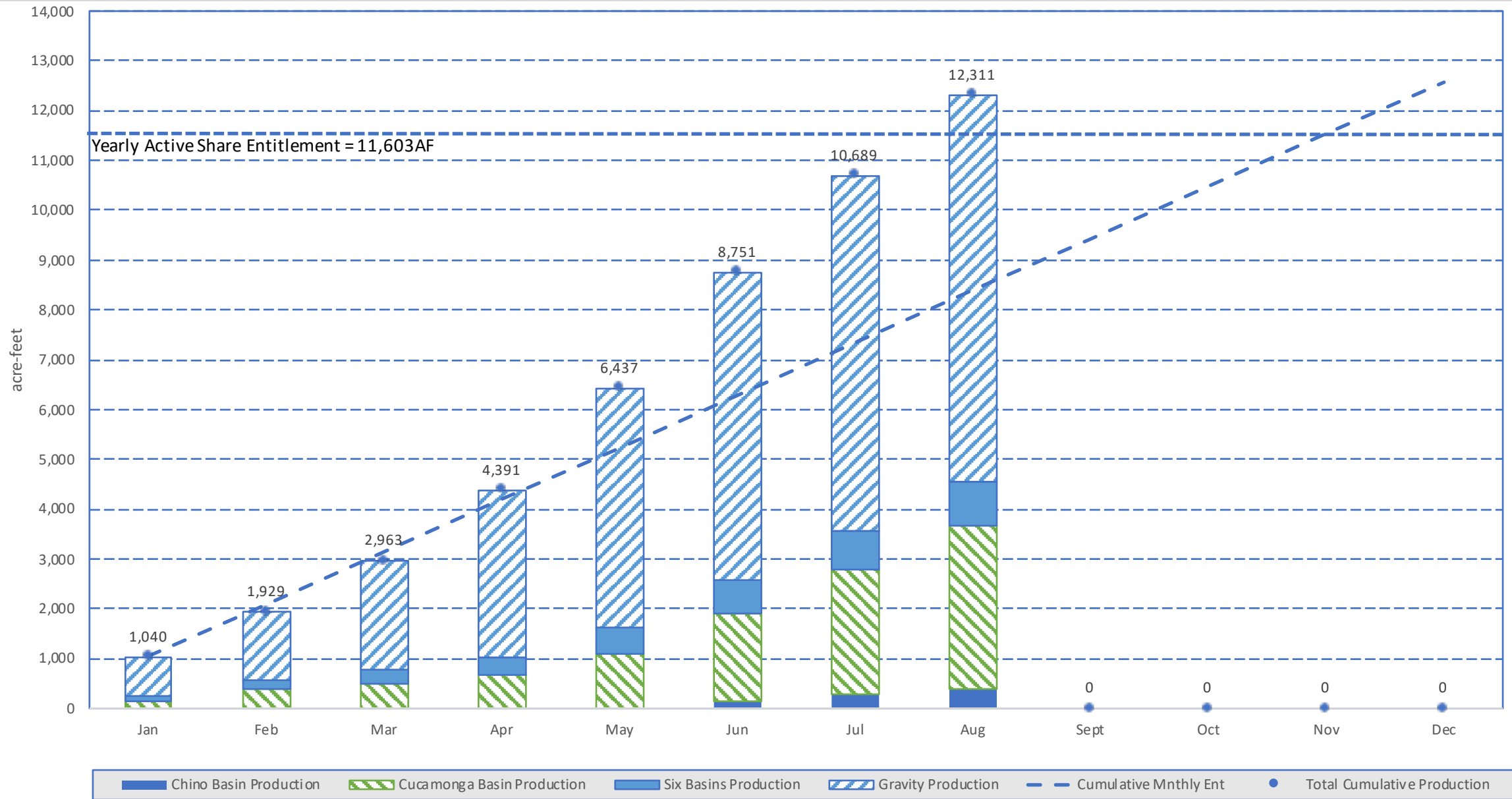
2020 Monte Vista Consumption



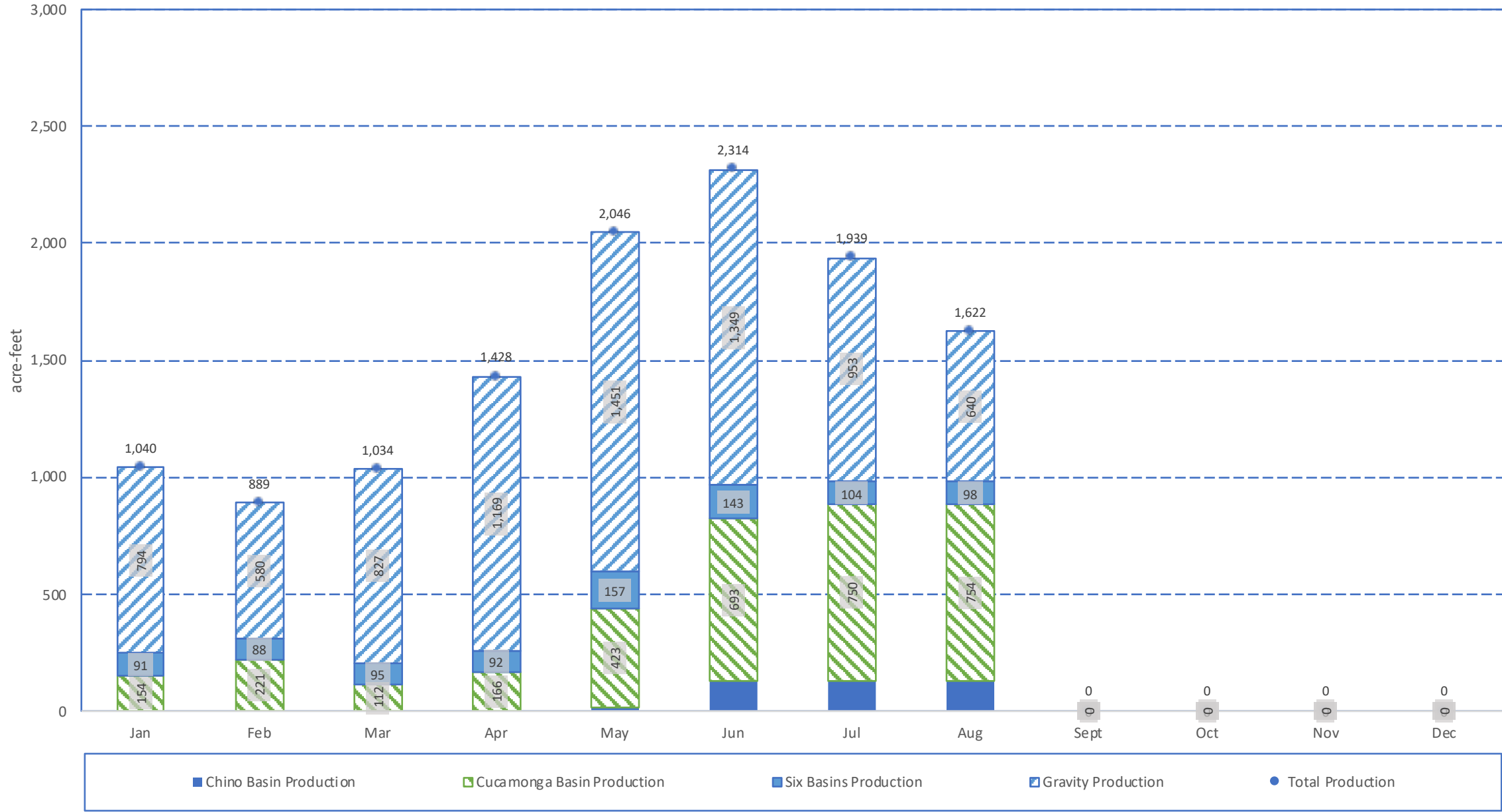
2020 Ontario Consumption



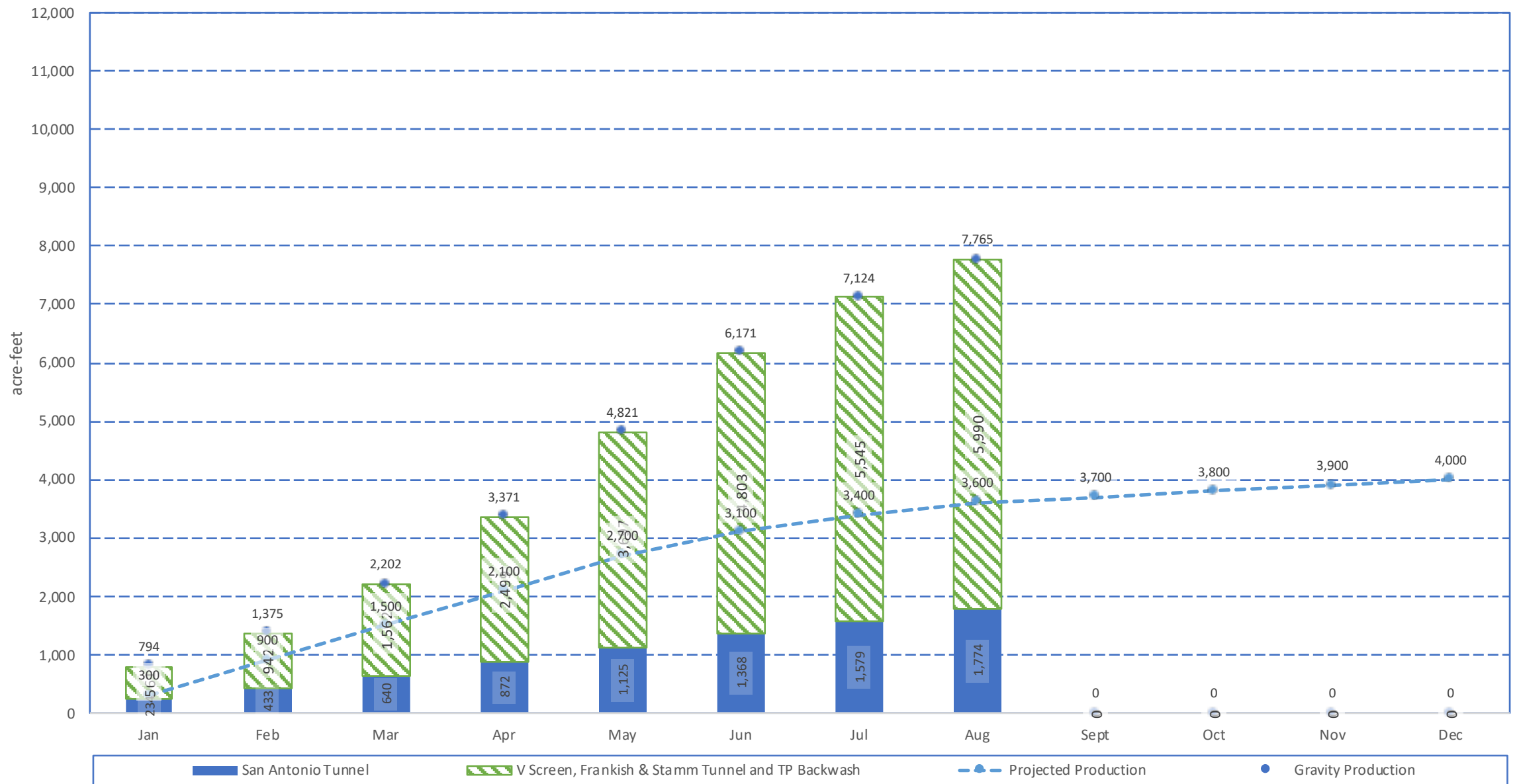
2020 Total Yearly Production



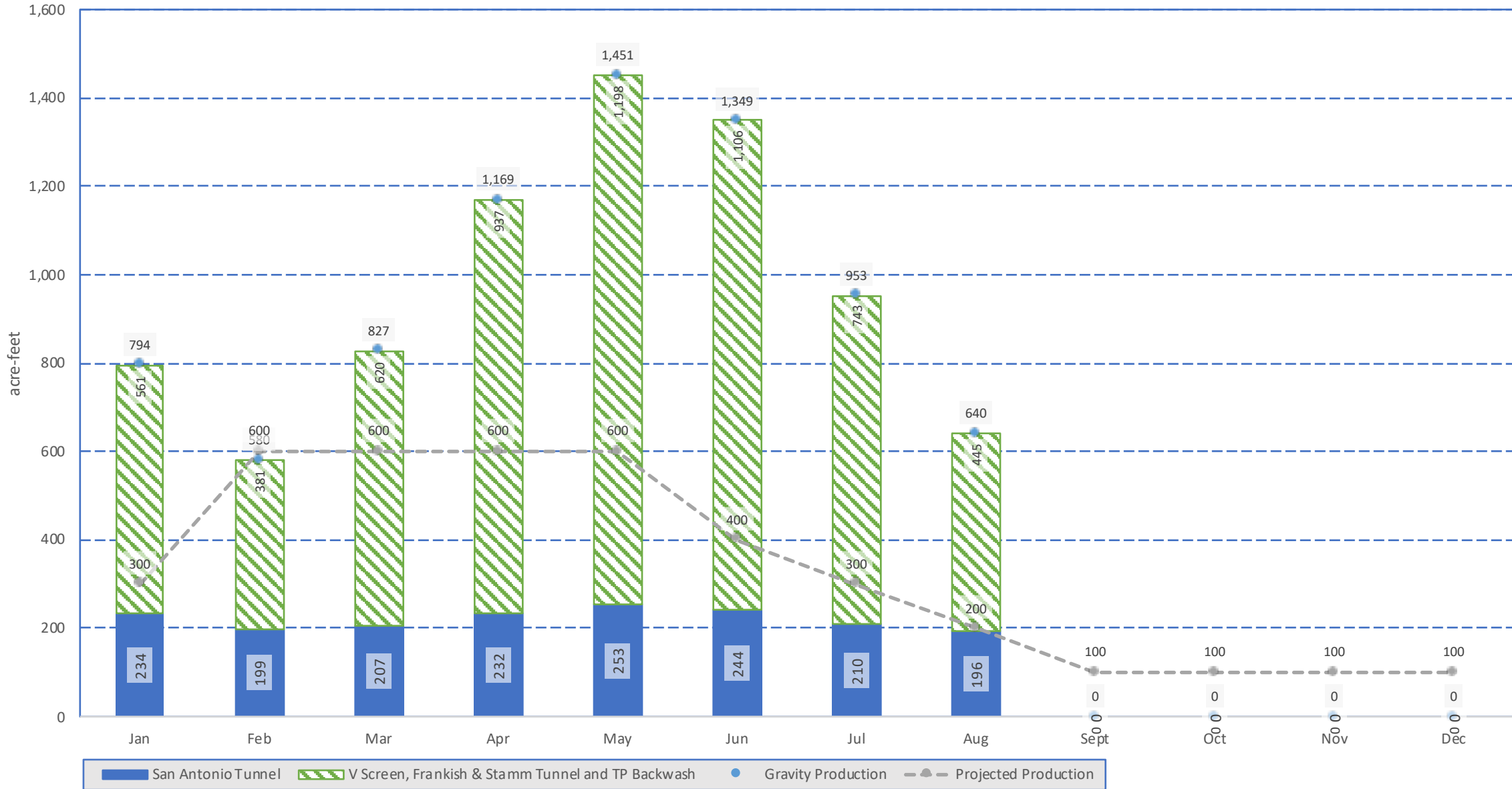
2020 Monthly Production



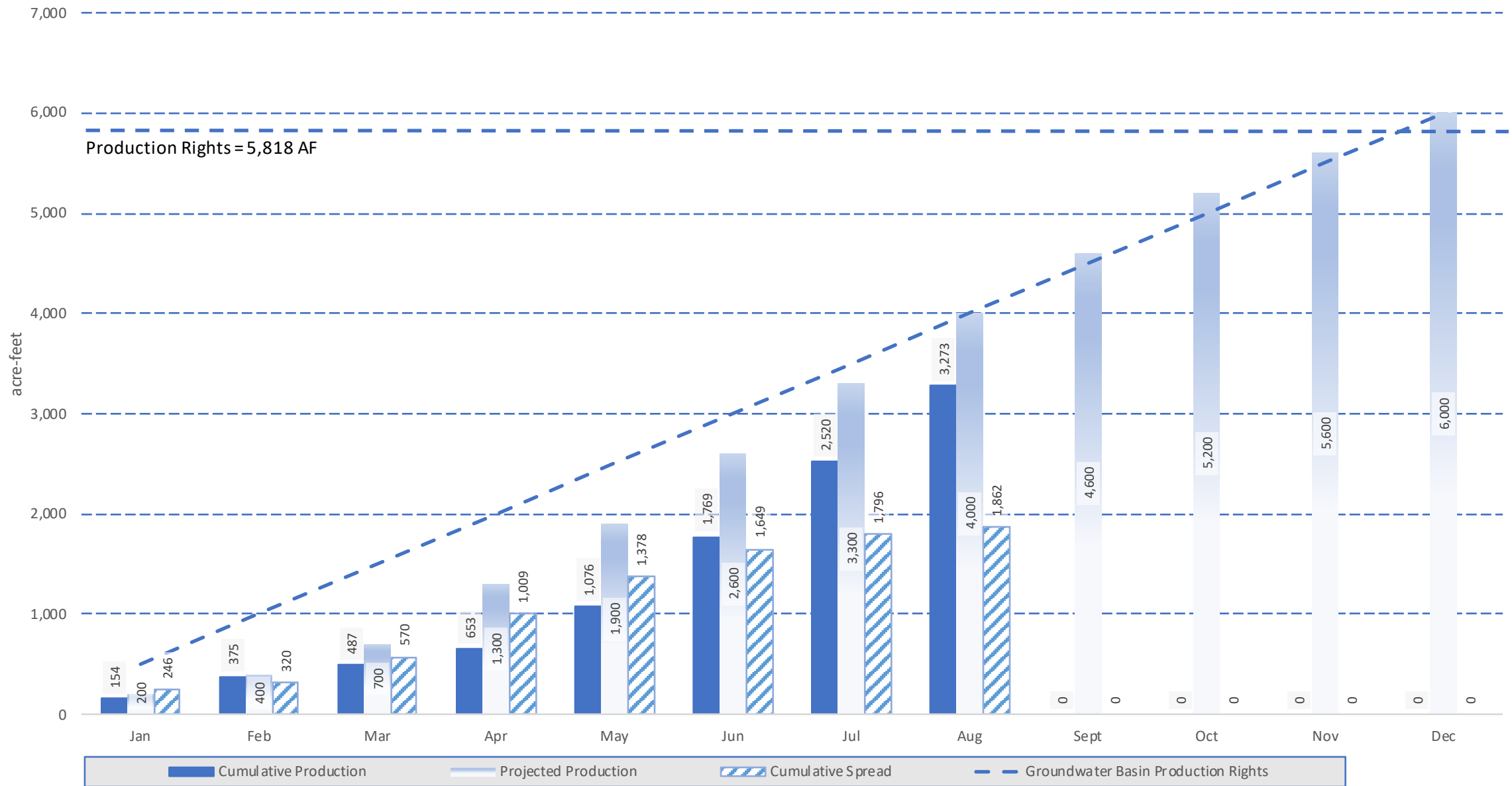
2020 Gravity Cumulative



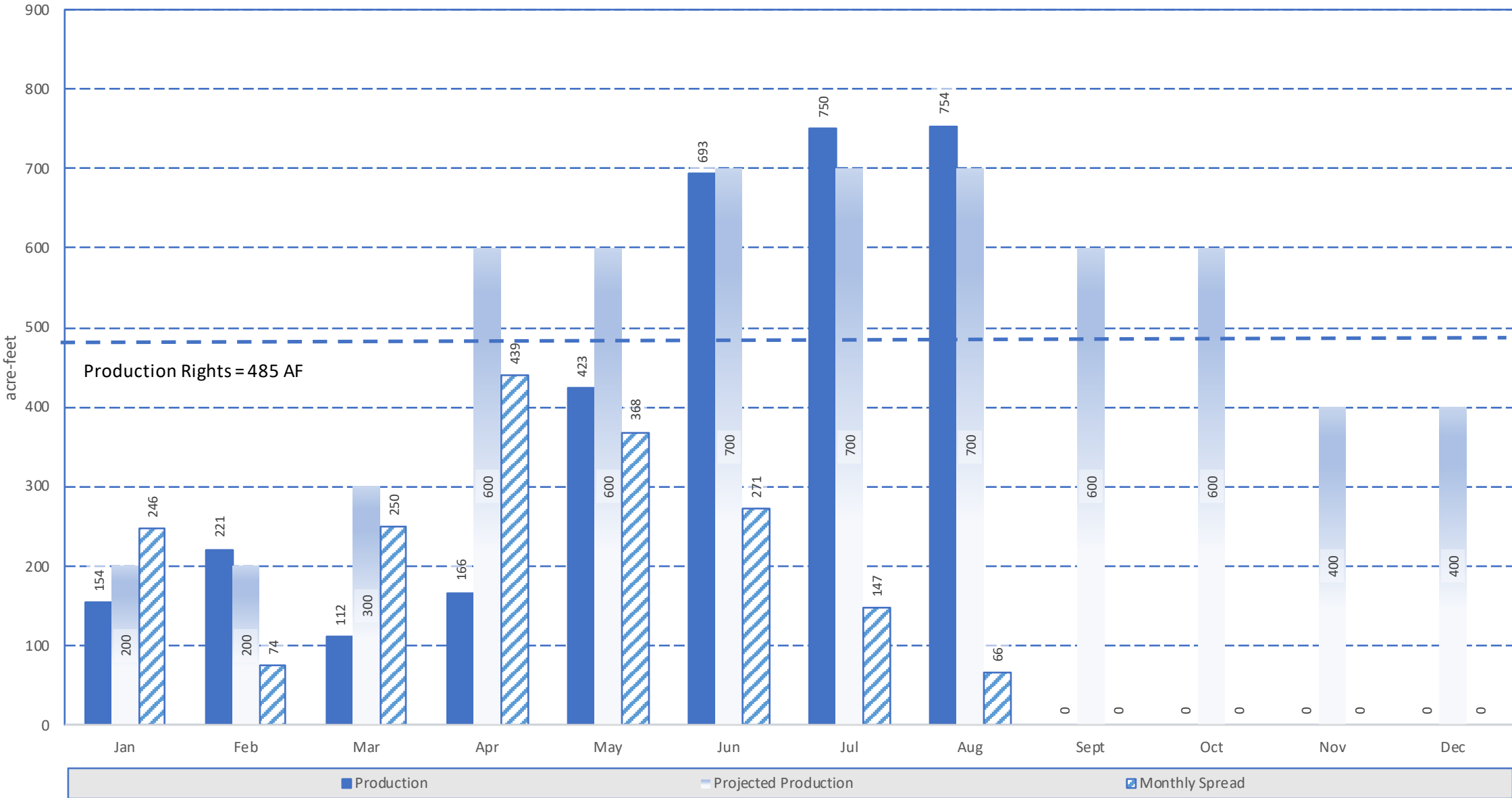
2020 Gravity Monthly



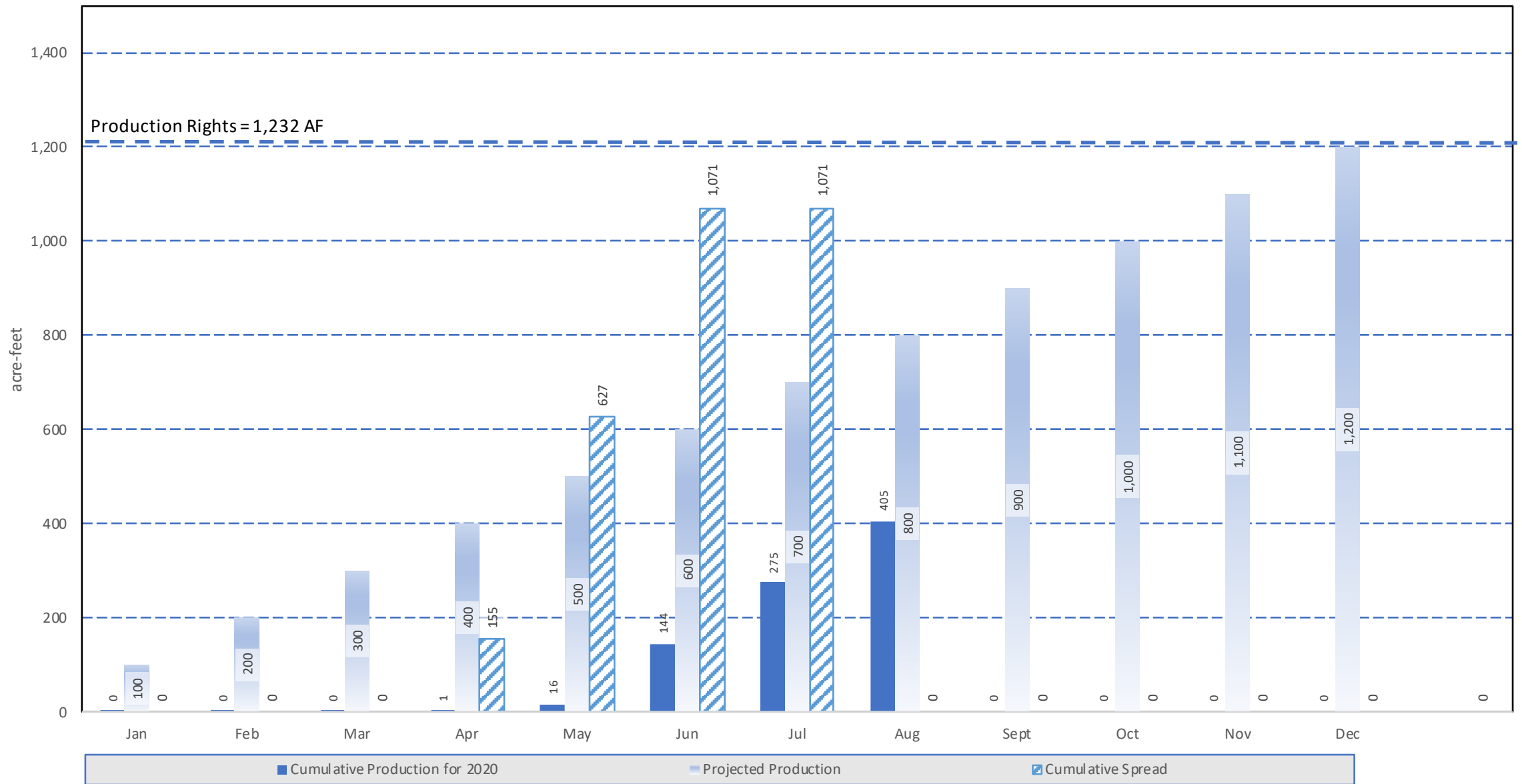
2020 Cucamonga Basin Cumulative



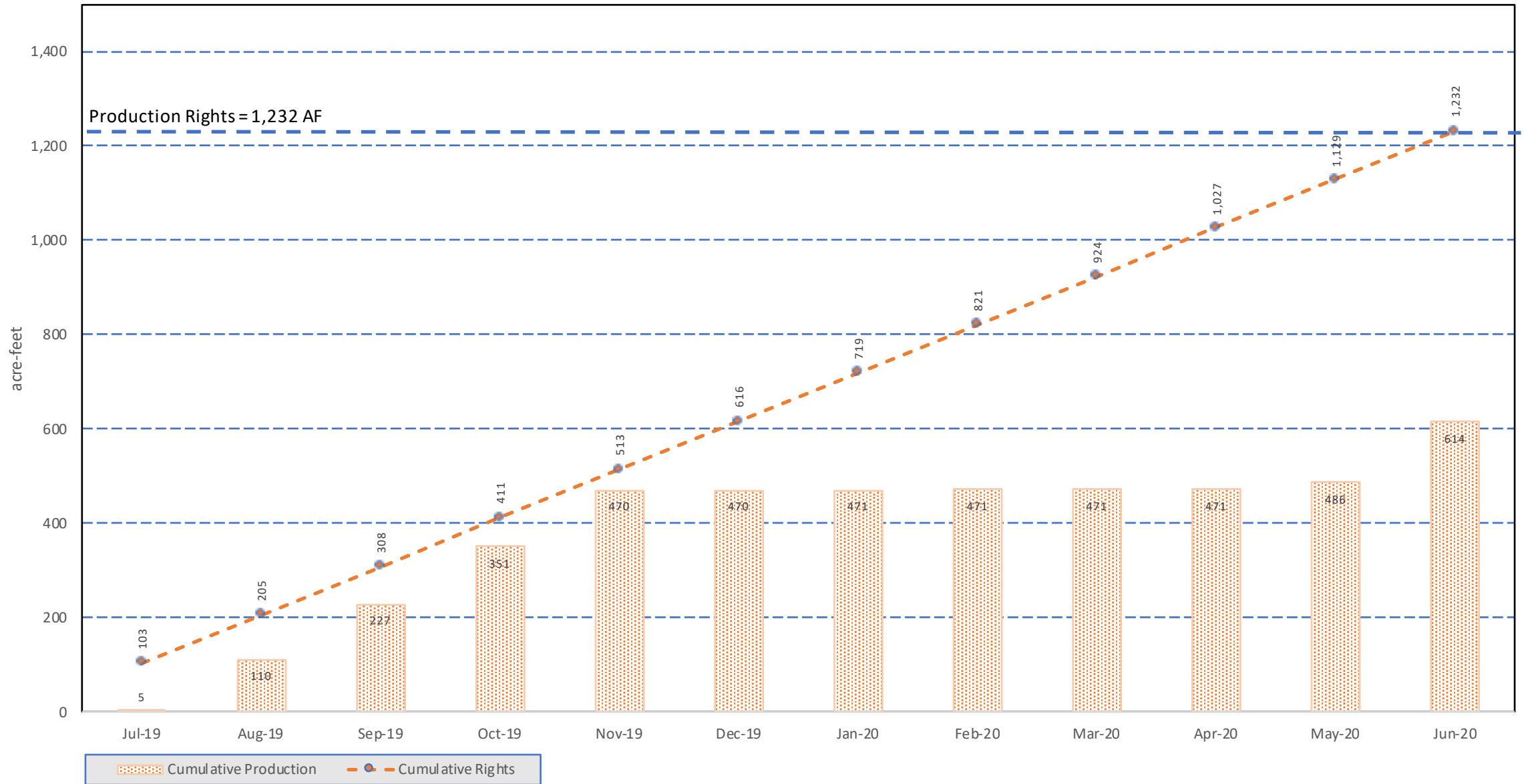
2020 Cucamonga Basin Monthly



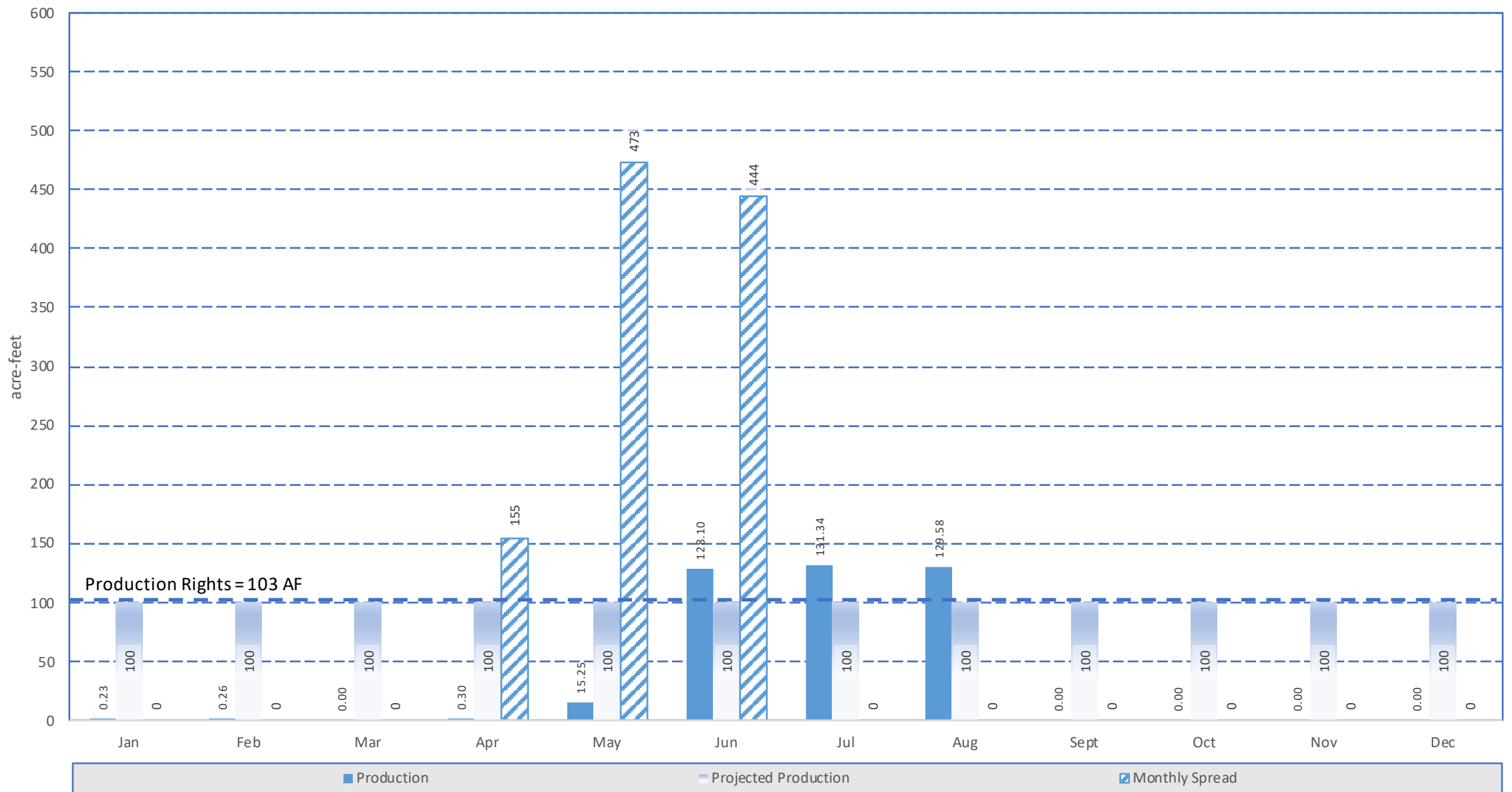
2020 Chino Basin Cumulative



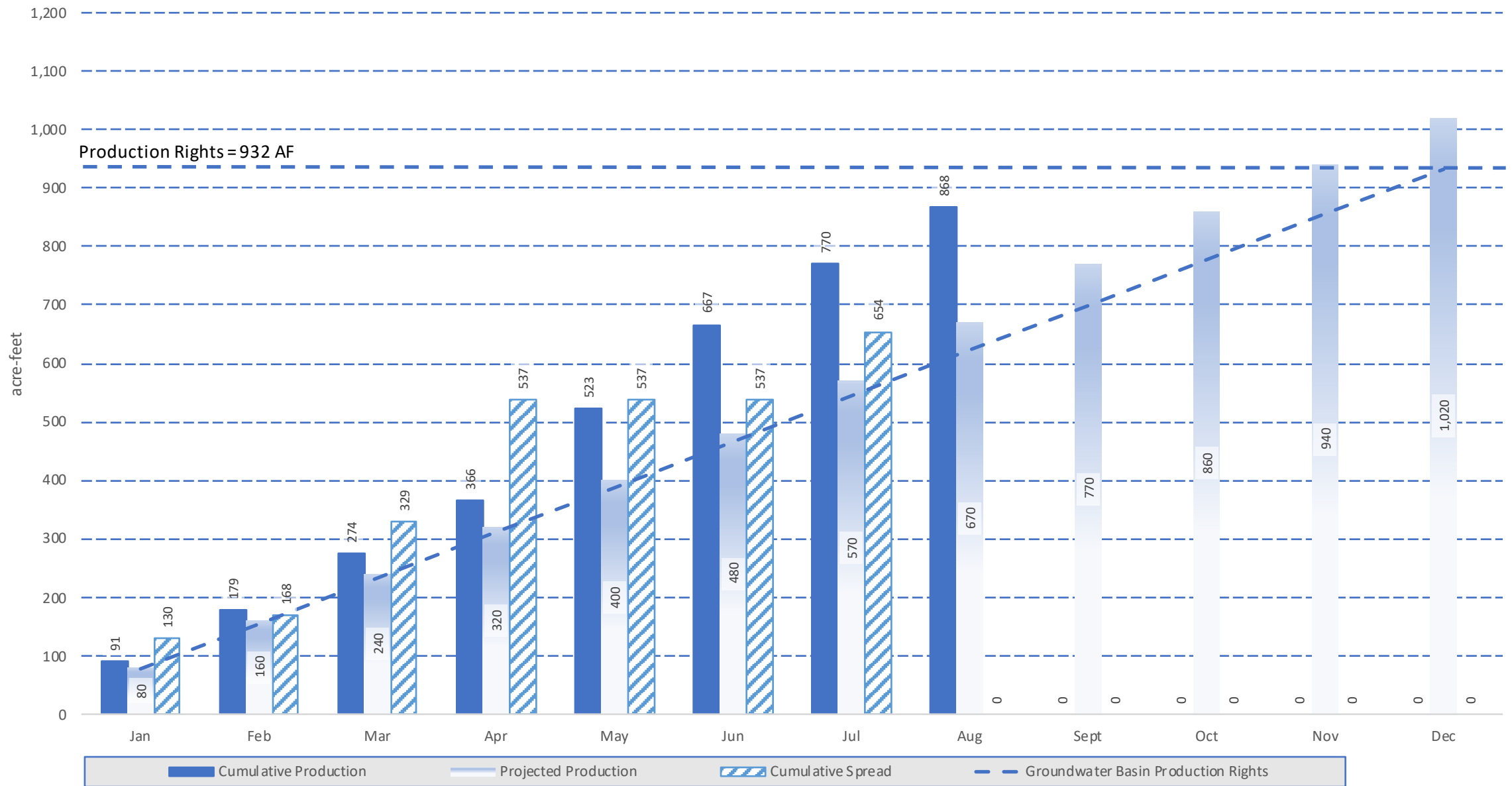
19-20 Chino Basin Cumulative



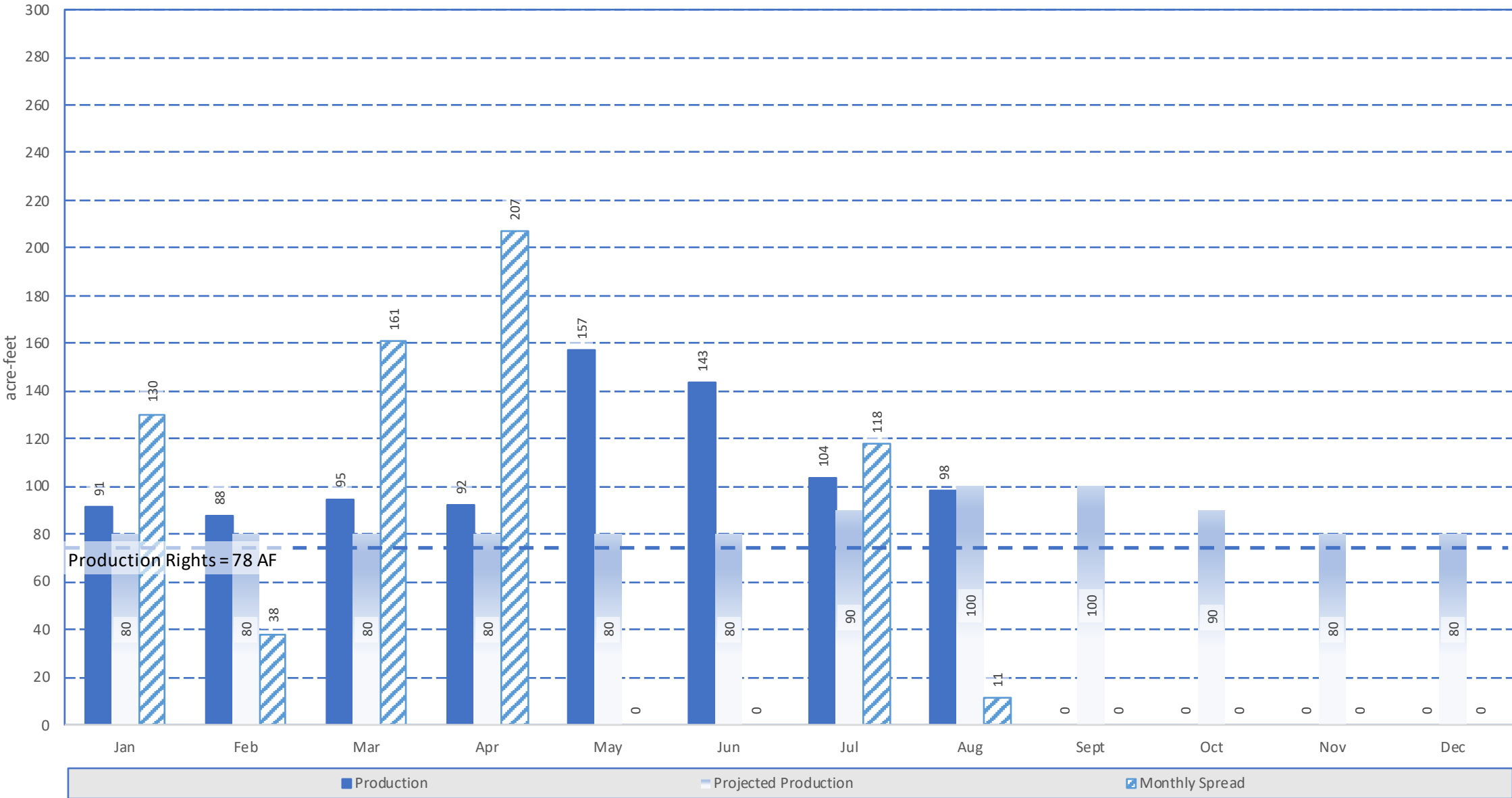
2020 Chino Basin Monthly



2020 Six Basins Cumulative



2020 Six Basins Monthly



A. Water Supply through May 2020

- Annual entitlement for CY2019 is 13,000 AF
 - Cumulative yearly production was 12,311 AF
 - Cumulative yearly consumption was 8,909 AF
 - Cumulative yearly spread was 3,599 AF
 - Cumulative unaccounted water was -196 AF

Six Basins Production for 2020

- Annual production right is 932 AF.
- Cumulative production was 868 AF. Production is sent to the WFA treatment facility to meet City of Ontario and MVWD entitlement.
- The Company has spread a total of 666 AF.

Cucamonga Basin Production for 2020

- Annual production right is 5,818 AF.
- Cumulative production was 3,273 AF.
- The Company has spread a total of 1,862 AF.

Chino Basin Production for 2020

- Annual production right is 1,232 AF.
- Cumulative production was 405 AF.
- The Company has spread a total of 1,071 AF.

Surface Water (San Antonio Creek) flow for 2020

Total flow was 5,728 AF.

Tunnel flow for 2020

San Antonio Tunnel flow was 1,774 AF.
Frankish and Stamm Tunnel flow was 247 AF.

B. Company Stock

$\frac{3}{4}$ share of water stock moved from dormant to active this transfer period.

C. Communication and Information Activities

Staff is communicating on our new "Facebook" page with 179 friends liking our old FB page and 68 customers have liked our new FB page. Communication is posted regularly on the new page and no new communication on the old Facebook page. Facebook is not able to merge the two Facebook pages; therefore we are in discussion of possibly deleting the old page.

D. Administration Matters

Meetings of interest:

- Wed, Aug 19– GM attended CBWM GoToMeeting AP Confidential Meeting
- Thu, Aug 20 – GM attended CBWM GoToMeeting Advisory Meeting
- Thu, Aug 20 – GM meet with a group interested in developing four lots within our service area.
- Thu, Aug 27 – GM and Ops Sup facilitated pre-bid job walk for Holly Drive Tank
- Mon, Aug 31 – GM participated in video conference with IEUA GM and AGM
- Wed, Sep 2 – GM attended CBWM GoToMeeting AP Confidential Meeting

- Tue, Sept 8 – GM met with Acting PWD for City of Upland
- Wed, Sep 2 – GM attended CBWM GoToMeeting AP Meeting and Confidential Meeting

E. Groundwater Basin Matters

Chino Basin -

Spread Water from SAWCo - SAWCo has stopped spreading for the 2019/20 year. SAWCo has applied to spread 1,500 AF in 20/21 water year. Application was approved in July.

Storage Management Plan / Optimum Basin Management Plan – Watermaster issued the final report on the 2020 Storage Management Plan on December 11th. Staff is currently reviewing. WM staff presented an update at the AP meeting on Feb. 13. WM staff are considering the Storage Management Plan (OBMP Implementation Program 8) and Storage and Recovery Plan (OBMP Implementation Program 9) singularly. At the request of the AP, Watermaster will focus on program elements 8 and 9 first, and then complete the remainder of the OBMP elements at a later date this year.

WM staff intend for the OBMP Implementation Plan to be attached to the Peace Agreement and will require a Peace Agreement amendment.

Discussion is currently focused on the CEQA requirements and a possibly reduced focus on a storage only plan.

Ag Pool Contest and Legal Expenses – Ag Pool has requested a considerable upward adjustment to their legal budget for the fiscal year ending June 30, 2020, with the expectation that the AP would pay those costs per the AgPool's understanding of the Peace Agreement. The AP has objected to those costs as 'expenses' defined by the Peace Agreement. At its August meeting the WM Board authorized invoicing of those expenses to the AP without taking a position on the merits of those invoices.

Considerable discussion continues and staff does not intend on paying the invoice until resolved. The risk is a 10% per annum penalty, which is about \$20 per month of the total \$2,316 special assessment.

Six Basins –

The last meeting was held on August 26th. The 5-year agreement for professional services between Six Basins Watermaster and Wildermuth expires the end of this year. A synopsis of what was accomplished in the last 4 ½ years was provided along with what to expect in the next 5 years. The parties have paid \$1.8 million for their services to date. Going forward they are looking for another 5-year contract. They have been budgeting \$330,000 for just administration services but have not exceeded that budget. The Board will discuss if they want to move forward with Wildermuth for the next 5 years or go out to bid at the next meeting.

The MS4 Permittees are still deliberating where would be the best locations for recharge basins. Following the regular Board meeting was a Strategic Plan Workshop. Wildermuth provided a presentation to utilize storage and surface water in conjunctive water management scenarios. The next step is to provide a technical memorandum.

Cucamonga Basin –

The working group met virtually on September 1st. It was recommended that Cucamonga Valley Water District sign and distribute the Terms of Reference document. Once signed, San Antonio Water Company will work with Cucamonga Valley Water District on the past projects and work out the cost share for everyone.

The Request for Proposal (RFP) for engineering work and timeline for tasks was discussed and it was decided that Cucamonga Valley Water District would get the RFPs out by September 11th.

TKE finished their categorization of the judgment issues but the group did not have a chance to review. Cucamonga Valley Water District plans to include their Board committee on the discussion and San Antonio Water Company Board may want to participate. The next meeting is scheduled for October 6th.

Agenda Item No. 4H

Item Title: Projects and Operations Update

Purpose:

To update the Board and Shareholders on Company capital projects.

Updates:

1507 – Office Relocation

Project on hold pending presentation to City of Upland in late September.

1602 – Holly Drive Reservoir, Phase 2 (assumes award @ Sept 2020 Board Meeting)

Original Budget	\$477,000
Original Contracts	\$783,260
Authorized Change Orders	NA
Current Contracts.....	\$783,260

1901 – Automated Meter Reading (AMR) (assumes award @ Sept 2020 Board Meeting)

Original Budget	\$770,000
Original Contracts	\$TBD
Authorized Change Orders	NA
Current Contracts.....	\$770,000

1902 – Cucamonga Crosswalls Mitigation

First of five years of mitigation occurred in April.
Check-up mitigation occurred in the first week in August 2020.

1904 – Geographical Information System (GIS)

Training and field testing currently occurring.

1905 – 2020 Master Plan

Computer Water Model being constructed by consultant. Field verification to occur later this summer by hydrant flow testing. Data gathering is an ongoing process.

2001 Reservoir 9 Pipeline

Contract kick-off meeting held. Surveying completed. Design at 90% completion. Anticipate award of contract @ October Board Meeting.

2002 Frankish Tunnel Improvements

Contract kick-off meeting held. Surveying completed. Design at 90% completion. Anticipate award of contract @ October Board Meeting.

2003 Glendale, Cliff, Primrose and Linda Pipelines

Contract kick-off meeting held. Surveying completed. Design at 90% completion. Anticipate award of contract @ October Board Meeting.

2007 Well 19

Staff is working on a Request for Proposals to construct a new Well 19. RFP should be released later this year for consideration by the Board.

Agenda Item No. 6A

Item Title: Discussion and Possible Action on AMI Smart Meters

Purpose:

Discussion and possible action regarding Company's plans to install Advanced Metering Infrastructure (AMI) meters.

Issue:

Should the Company replace existing handheld reading meters with cellular AMI meters?

Manager's Recommendation:

Authorize a budgetary cost of \$770,000 for AMI meter upgrades. Authorize the General Manger to execute a 10-year service contract with Metron-Farnier to install Spectrum 50DL water meters throughout the system and all associated cellular/internet connectivity for a cost not to exceed the authorized budget of \$770,000.

Background:

The Company has been researching AMI meters to increase the availability of water consumption data for Company and Shareholder use. Since the Company only reads meters one a month, leaks on shareholder systems can go unchecked for weeks, leading to a high loss of water and associated high water bill. AMI meters provide daily water reads that show hourly water consumption over a 24-hour period. AMI meters are tied into computers systems that can automatically alert the Company and Shareholders if their system hits certain thresholds; 24-hours of continuous use, extremely high-water use, etc.

There are a variety of AMI systems available. Most AMI systems utilize a proprietary communication network. Others utilized existing cellular networks (effectively cellphones strapped to the water meter).

Over the past year Company staff have been researching four systems; iPerl (our current meters w/o AMI connectivity), ICONIX, Allegro and Metron-Farnier. ICONIX, iPerl and Allegro utilize a proprietary communication network and charge a yearly subscription fee. Metron-Farnier utilizes existing cellular networks and charge an upfront flat fee for a ten-year contract term.

Metron-Farnier meters are warrantied for 10 years. Most meters will last longer. The actual cost of implementation will be somewhere between the 10- and 15-year estimate.

The budgetary cost for each system is:

	10-years	15-years
iPerl:	\$ 661,000	\$ 799,000
Metron:	\$ 771,000	\$ 771,000
Allegro:	\$ 789,000	\$ 893,000
ICONIX:	\$960,000	\$1,107,000

The budgetary numbers support either iPerl or Metron.

iPerl utilizes a plastic body meter that has been problematic for staff under current use; breaking meter bodies and mis-threads on installation. Metron uses a metal body.

Staff prefers utilizing existing cellular networks instead of installing a proprietary communication system. Using existing cellular infrastructure removes the burden of managing new infrastructure.

Because Metron-Farnier utilizes existing cellular infrastructure, the Company was able to purchase five test meters to see how the system operates. Those meters were installed in July. Two of the meters were installed on Director's water services. The other three were installed in known 'low cellular' areas around the service area. Four of the meters have read daily with no service issues. One meter located in the canyon has experienced connection problems. That meter has provided daily reads, but not consistently. Metron-Farnier is working through the issue and is confident it can be resolved. All meters installed within the heights have read consistently.

A high-level review indicates that installing AMI smart meters would add about \$1.65 per month to Company meter costs, or an additional \$24,000 per year above what we are currently spending on meter services, not including our shareholder leak forgiveness program. The Company currently averages about \$7,000 per year in billing adjustments due to large shareholder leak forgiveness. Additionally, budgeting for the Company's meter replacement program over the next ten years will be eliminated. Current year budget is \$70,000. This program will be slightly revenue negative for the Company because shareholder leaks will be detected and fixed, resulting in reduced water sales. Four of the five meters identified possible leaks on the customer system.

If the software leak analysis is accurate, water loss through leaks on five shareholders systems accounts for about 750 gallons-per-day. Extrapolating that out to the full meter install base totals 180,000 gallons-per-day water loss through leaks. That's 240 units of water loss per day (7,200 units a month or 16 acre-feet per month). That amounts to about \$60k in water revenue per year. This 'leak water' would be available for sale to other shareholders. It does not translate directly into a revenue loss.

There are a lot of details that need to be worked out; install schedule, coordinating customer notification of new system, staff training, preparation for increase service calls. These issues would be handled at the staff level prior to roll out. Installation should occur over the course of six to eight weeks, sometime in late 2020 or early 2021.

Metron-Farnier has confirmed that their system works with our accounting system.

Agenda Date: September 15, 2020

References were contacted and came back positive.

The budgetary costs include installation.

The budgetary cost includes upgrading all shareholder meters and all production meter registers.

Based on the above, staff recommends contracting with Metron-Farnier.

Impact on the Budget:

\$70,000 budgeted for meter replacement in 2020, under a ten-year replacement schedule. The additional \$700,000 of funds would come from capital reserves. Meter replacement budget for the next nine years should be \$0.00.

The Company currently has about \$5.7M in capital reserves.

Previous Actions:

None



Company Address 5665 Airport Blvd
Boulder, CO 80301
US

Quote Number 00000447
Created Date 5/20/2020
Expiration Date 6/19/2020

Prepared By Dustin Rivas
Phone (303) 453-9706
Email dustinr@metronfarnier.com

Contact Name Brian Lee
Phone 909.982.4107
Email blee@sawaterco.com

Bill To Name San Antonio Water Co
Bill To 139 North Euclid Avenue
Upland, CA 91786
United States

Ship To Name San Antonio Water Co

Quantity	Product	Line Item Description	Sales Price	Total Price
1,200.00	Antenna Local Paddle	Local 4G Paddle Antennas	\$0.00	\$0.00
1,200.00	Cellular Connectivity 10 Years	Verizon 10 Year Service Plan	\$0.00	\$0.00
1,200.00	Innov8-VN	VN LTE/Verizon	\$0.00	\$0.00
1,200.00	Labor	1" Meter Installation	\$75.00	\$90,000.00
1,200.00	Spectrum 50DL 1" 10.75" LL	S50 1" Top Load Brass Measurer	\$525.00	\$630,000.00

Programming 100 Cubic Feet
Description 10yr Connectivity

Subtotal \$720,000.00
Total Price \$720,000.00
Tax \$48,825.00
Shipping and Handling \$1,500.00
Grand Total \$770,325.00

The Spectrum Single-Jet Meter is the widest ranged, single measuring element meter available to U.S. utilities. They have been designed to replace limited range displacement meters. The Spectrum meters can accurately measure 8 to 10 times lower flow rates than modern displacement meters of comparable size. The combination of design simplicity, superior grade materials, high quality manufacturing standards and now a top-loading design allows for years of virtually new meter performance with simple maintenance.

Spectrum features include:

- High accuracy down to **1/8 gpm**
- Wide range
- Superior low flow registration
- No maintenance
- Excellent performance in adverse conditions
- Unaffected by sand or small debris in line
- No straight pipe requirements upstream or downstream of meter
- No strainer requirement
- 5-year warranty
- 5-year register warranty
- Compatible with OER absolute encoder and innov8 electronic registers
- Universal AMR compatibility

Physical Specifications

Model – DL

Body – Low lead Bronze: ASTM C875

Impeller – Polypropylene

Register – OER or innov8

Impeller Bearings – Tungsten Carbide

Impeller Shaft – AISI 303 with Tungsten Carbide tip

Dimensions – See Table 2

Weight – 5 lbs. Without Register

Spectrum 50DL



Functional Specifications

Fluids measured – Potable cold or reclaimed water

Flow Range – See Table 1

Accuracy – $\pm 1.5\%$ See Table 1

Pressure Loss – See Table 1

Repeatability – 0.5 % of flowrate

Maximum Operating Pressure – 230 PSI (15.9 bar)

Maximum Operating Temperature –

140° F (60°C)

194° F (90° C) optional

End Connections – See Table 2

Registration – See Figure 1

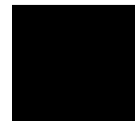
Warranty – 5 Yr. – Materials & Workmanship

5 Yr. – OER Register

Standards

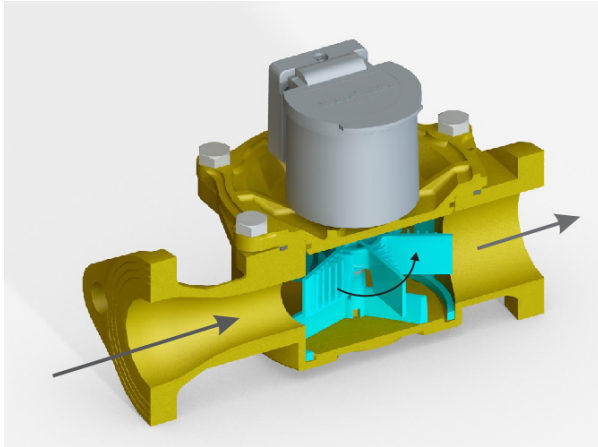
AWWA C712-15

NSF-61/372



Operation

Incoming water rotates a suspended impeller that is magnetically linked to the register. A low friction tungsten carbide bearing supports the impeller at low flow rates while a tungsten carbide thrust bearing provides the support at high flow rates. This patented “dual bearing” design provides unparalleled accuracy and durability at both high and low flows.



Metron D models are top-loading, chamber designs which allow for field maintenance and repairs.

AMR/AMI Interfaces

Metron Spectrum 50 Model-DL water meters utilize the OER or innov8 register and thus can be utilized within virtually any AMR/AMI system. Both the OER and innov8 employ defacto communications standards for 2-wire (touchpad) and 3-wire (radio) interfaces which can be configured for typical utility billing systems. SCADA options such as scaleable pulse and 4-20mA are also available.

Reference the OER and innov8 technical specifications and AMR application notes for more information.

Registers

Metron Spectrum 50 Model DL water meters utilize the OER (optically-encoded register) or innov8

electronic register. Both models are field replaceable with configurable outputs.

The OER utilizes a light transmitter and light-pipe to detect the various positions of the encoder wheels. This non-mechanical sensing technology offers many advantages, including extremely low drag on the measuring element and minimal chance of



mechanical wear/failure. The HFO (High Frequency Output) is an attachment device for a high frequency pulse for SCADA and datalogging applications

Reference the OER technical specifications for more information.

The innov8 is a fully electronic register which utilizes a highly sensitive magnetic field sensor to measure the magnet within the measuring element of the Spectrum meter. This sensing method exerts virtually no drag on the measuring element. The innov8 offers high resolution datalogging which detects down to individual magnet rotations.



The innov8 has an 8-digit display, flow-rate display and configurable AMR outputs. The innov8 also offers multiple SCADA outputs and an embedded T2 900 MHz radio for datalogging and AMR.

Reference the innov8 technical specifications for more information.

Tamper-Proof Features

A factory installed tamper detection seal prevents unauthorized access to the meter. Tamper proof chamber bolts can be provided upon request.

The OER register is fixed to the meter body with an ABS plastic snap ring. This snap ring must be removed with a special tool. Unauthorized removal will break the snap ring and indicate tampering. The innov8 register is fixed to the meter body with an ABS plastic housing which utilizes a tamper-proof screw attachment.

Installation

The Spectrum 50DL meter comes in a standard AWWA lay length.

To maintain accuracy, the meter is to be installed horizontally ($\pm 10^\circ$) in the direction of water flow, with the register face up. In most applications, no straight pipe length, upstream or downstream is necessary. Under normal usage conditions the Spectrum is not affected by sand or suspended particles and does not require a strainer.

Detailed reference sheets for meter installation can be provided by Metron-Farnier upon request.

Accuracy Testing

For optimal performance during meter accuracy tests observe the following:

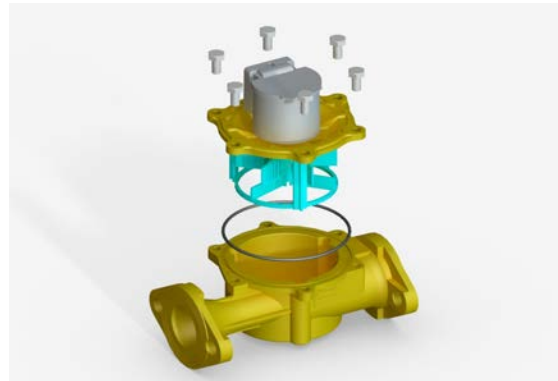
1. Register is level to the horizontal
2. Upstream pipe should be the same diameter or larger than meter connection
3. Upstream valve should be fully opened during test, use downstream valve to regulate flow rates
4. Inspected for leaks between the Spectrum and downstream volumetric tank or reference meter
5. Time low flow test to confirm accuracy of flowrate indicator
6. If innov8 register, initiate test mode for greater read resolution

Refer to AWWA M6 manual for more information on bench and field testing.

Maintenance

The measuring chamber of the Spectrum meter can be removed without requiring the meter being removed from service.

Once the meter is isolated with no water pressure, the four bolts can be removed to allow the chamber to be lifted from the primary meter body.



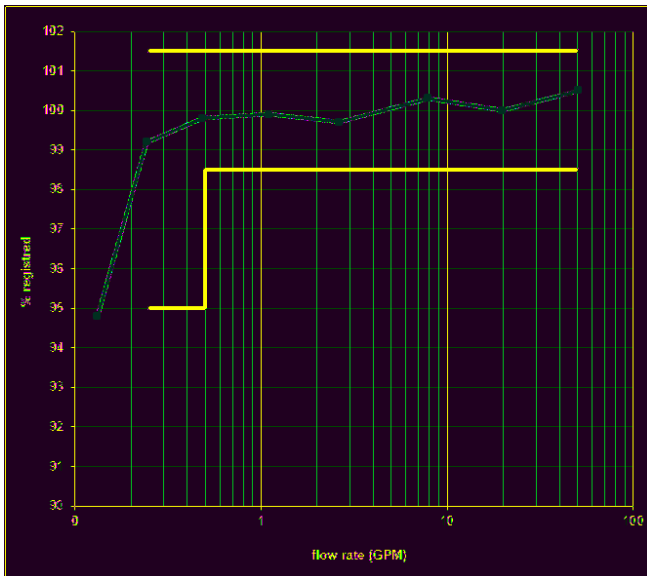
Consult Metron for procedures on cleaning and replacement parts.

Flow Specifications– Table 1

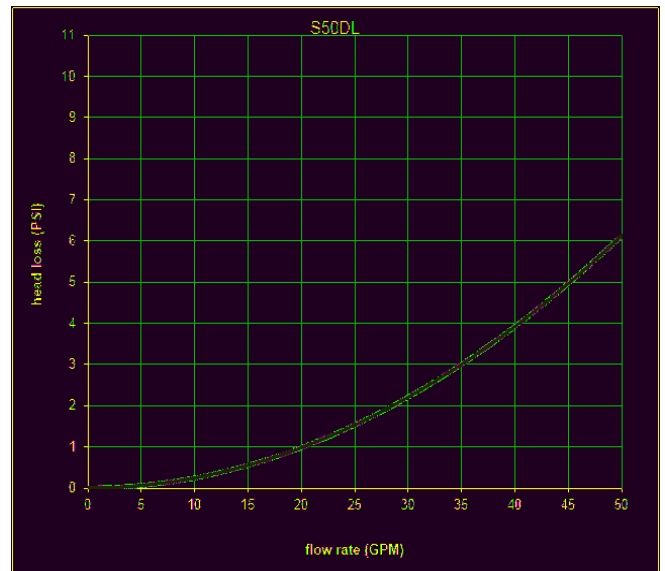
Model - MP5	Size in mm	Min Test Flow (95%-101.5%)	Normal Operating Range (98.5%-101.5%)		Safe Maximum Operating Capacity ¹	Max Cont. Duty ²	Head Loss @ SIMOC
		gpm m ³ /hr	gpm m ³ /hr	gpm m ³ /hr	gpm m ³ /hr	gpm m ³ /hr	psi Bar
A3969A 0710	1"	0.75	3.0	50	50	25.0	15
	25	0.17	0.70	11.4	11.4	5.7	103
Spectrum 50DL	1"	0.125	0.50	70	50	35	3.0
	25	0.028	0.114	15.9	11.4	7.9	0.55

1 Safe Maximum Operating Capacity (SMOC): As defined by A3969A, this is the flow sustained for 10% (or 2-hr) per 24 hrs
 2 Max Continuous Flow: This is defined as the flow rate which can be maintained 10 hrs/day for 7 days/week

Accuracy Curve

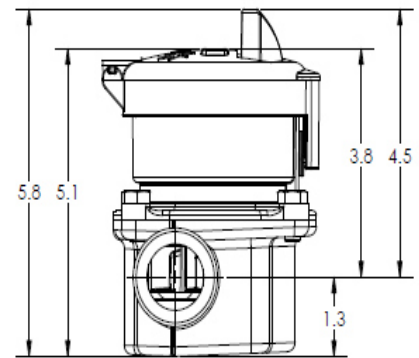
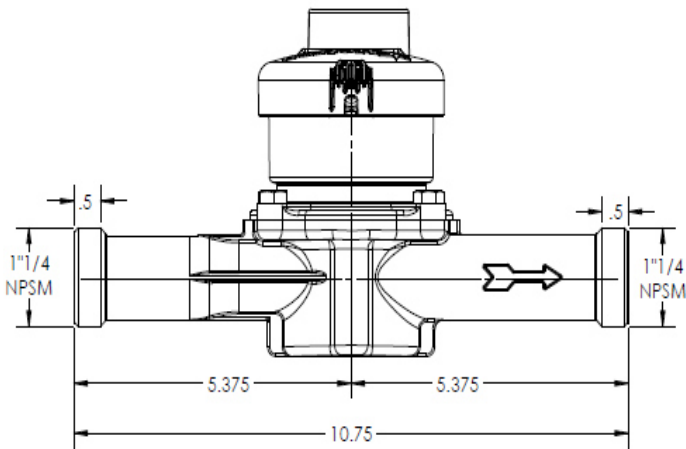
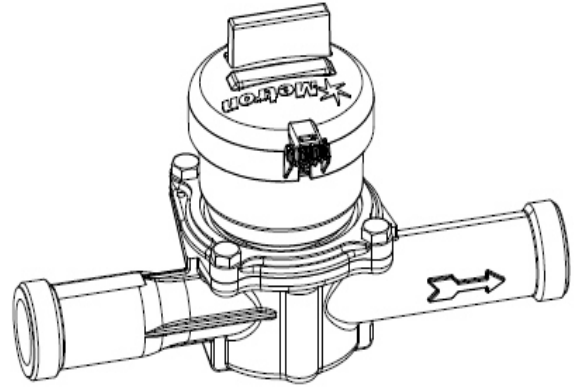
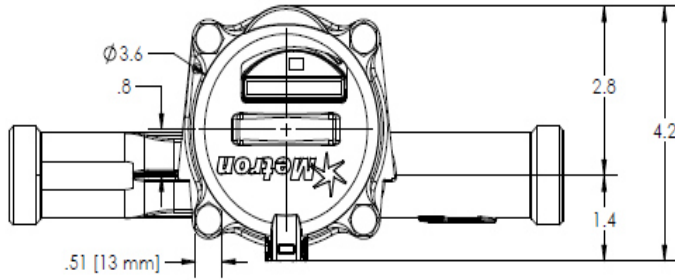


Pressure Loss Curve



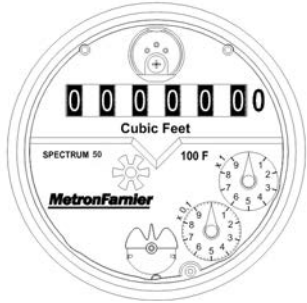
Meter Dimensions – Table 2

Spectrum 50DL - 1"

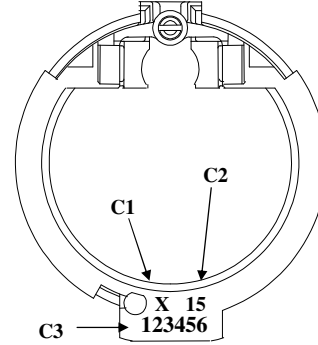


Register Information – Figure 1

OER - Ft³



Resolution: 0.02 Ft³
 Registration: 0.1 Ft³
 Capacity: 10M Ft³



- C1: Units (G, F, M)
- C2: Model Identifier
9 – Spectrum 50DL
- C3: Register ID

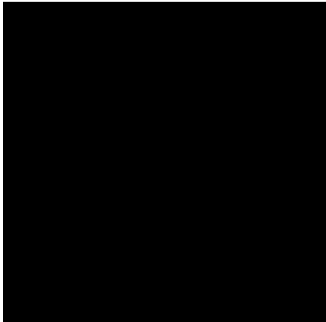
OER - USG



Resolution: 0.2 G
 Registration: 1 G
 Capacity: 10M G

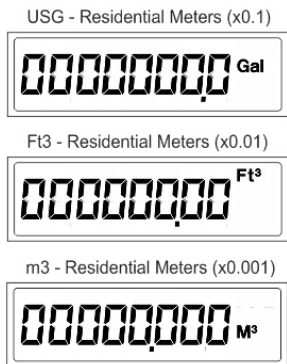
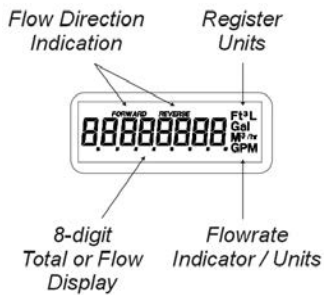
Consult the OER Datasheet for additional information.

OER - m3



Resolution: 0.001 m3
 Registration: 1 m3
 Capacity: 1M m3

Innov8 Register



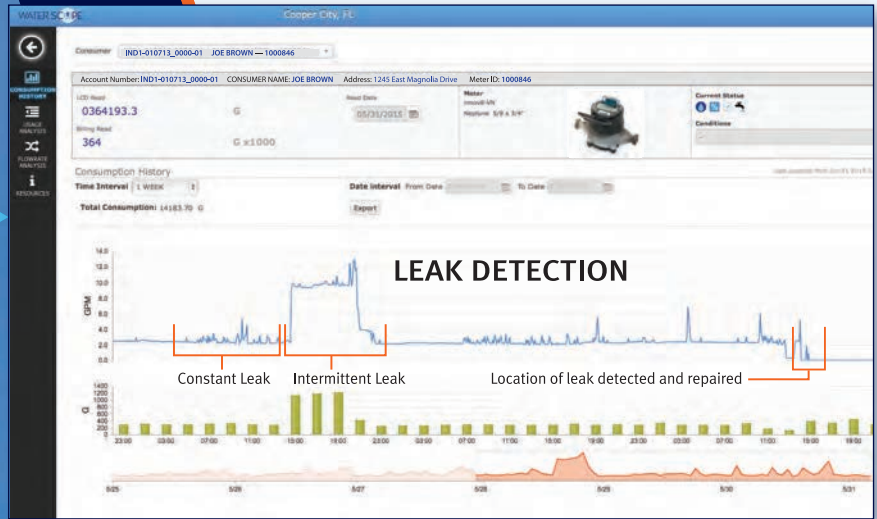
Consult the innov8 Datasheet for additional information.



**TRANSPARENT
TECHNOLOGIES**
Advance Metering Analytics

VN *Virtual Network*

Transparent Technologies has teamed with the country's largest wireless network provider to offer the Virtual Network system for water utilities. The VN System communicates over the existing Verizon Wireless network which means no new infrastructure, no installations or maintenance hassles, and superior performance. The "virtual network" allows for immediate deployment of endpoints and utilization of high-resolution interval data.



The VN system requires **no new infrastructure** and provide 5-min data resolution.

Innov8-VN *Innov8-VN_r*

Universal Endpoints can be deployed on virtually any existing meter.



Machine-To-Machine

Hydrant / Construction Meter Application

Introducing the **Voyager 3" Hydrant Meter** with VN cellular-based registers. Existing hydrant meters may be retrofitted with the VN register depending on manufacturer. The meters will report in every day with readings and consumption history, even when you are not sure of where they are. Talk to your local Metron-Farnier/ Transparent Technologies representative to discuss your 3" new hydrant meter applications or to verify if a VN register is compatible with your existing hydrant meters.



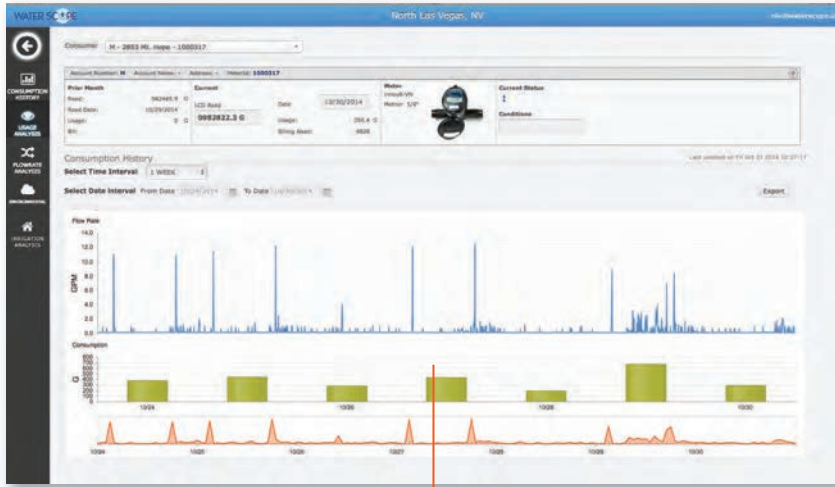
Irrigation / Watering-Event Monitoring System

Waterscope provides the most granular data for monitoring watering events of *any* AMI system. Continuous 5-minute sampling of consumption will monitor and alert for the following events EVERY day:

- Set the system for voluntary or mandatory restrictions
- Tracks the number of times the property waters per day and week
- Tracks the time of day the watering event occurs
- Utilizes the billing system interface to track odd and even address adherence to watering restrictions
- No longer will there be a need for time consuming and expensive "water cops"
- All consumption history will be accessible via the Utility portal for enforcement and Consumer portal so that property owners can verify adherence or be alerted when watering events violate current restrictions.



Utility and Consumer Access – Meter Analytics Website

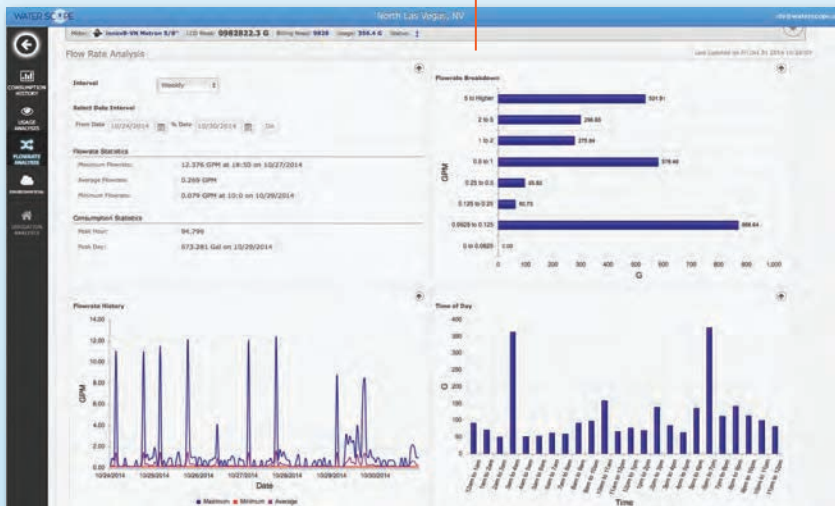


Interactive Rate of Flow



Identification of the Type of Water Consumption

Meter Sizing, Time of Use and Flow Rate Percentages



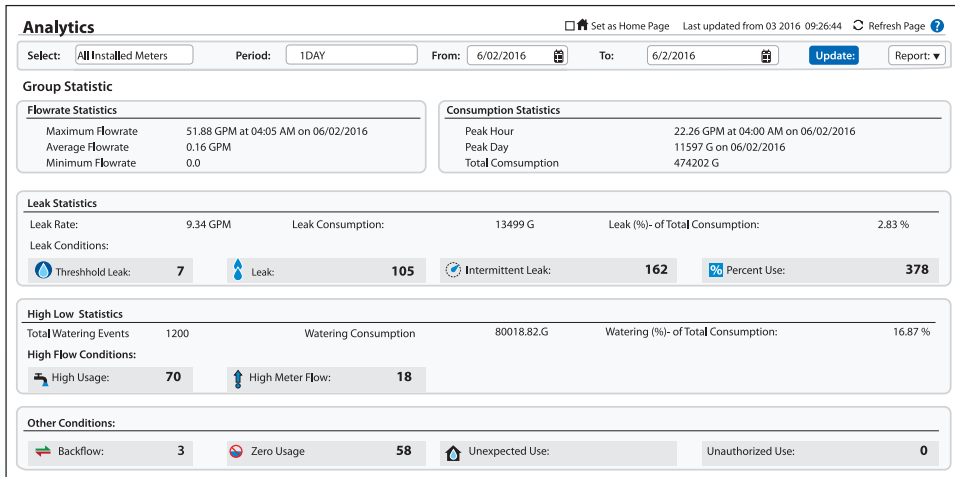
Powered by:



Virtual Network (VN) Features and Benefits

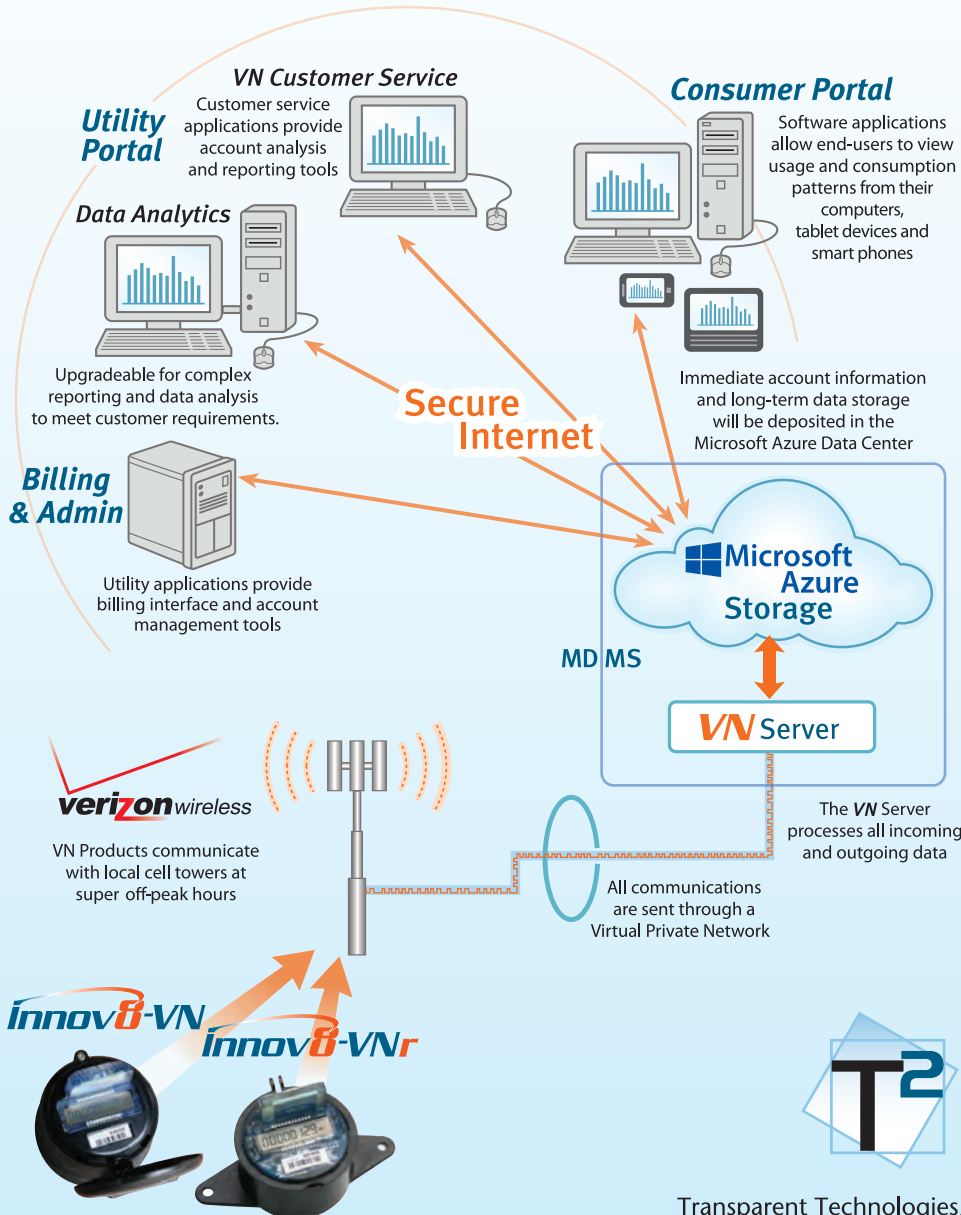
- **Completely Scalable Deployment:**
Install 1 or entire system today ~ Read them tomorrow ~ No Infrastructure installation, ownership or maintenance ~ Free unlimited access to Water Scope website for daily reading, high-level analytics, billing and usage profiles ~ Strategic deployment accounts include:
 - Commercial / Industrial / Large Users
 - Hard Access Customers
 - Military Bases
 - Chronic Complainers
 - Fill in holes in existing AMI Systems
 - Hydrant / Construction Meters
- **Retrofits to most modern mechanical meter bodies** ~ No need to change meter
- Increase existing PD/Piston meter accuracy to beyond new meter specifications.
- **Connects directly to the Verizon Network:**
No Propagation Studies, No Hardware, No Software, No Servers, No Support Costs, No Network Headaches
- Industry leading 5-minute continuous sampling and Sub 1/10th GPM resolution
- Highly-evolved Utility and End-User access via T2's Water Scope secure portal
- Secure cloud storage through the Microsoft Azure platform

System-Wide Daily Analytics



- System Overview for Daily, Weekly, Monthly & Utility-Selectable Dates (customizable groups)
- Max/Min/Average flow rates with timestamp for the selected time interval
- Summary of System Leaks – rate of flow, number of leaks, number of threshold leaks and number of leaky toilets
- High-Flow Condition Synopsis
- Irrigation/Watering Event Conservation Adherence
- Number of Backflow, Zero Use, Unexpected and Unauthorized-Use Events

How the system works is simple and concise.



Compatibility list

- Sensus SR-II
 - Sensus Precision
 - Metron
 - Badger
 - Neptune
 - Elster-AMCO
- Check with your local T2 Rep for pending models



Compatibility list

- Metron
- Sensus Encoder
- Hersey
- Elster-AMCO
- Ultrasonic
- Badger Pulse & Encoder
- Neptune Encoders
- Switch Closures
- Active Pulse
- Master Meter
- Magmeter



TRANSPARENT TECHNOLOGIES™
Advance Metering Analytics

Innov8-VN registers or innov8-VNr stand-alone units measure water and monitor consumption patterns

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303-449-8833 • Toll Free: 1-800-7-METRON • www.TransparentTech.com

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Innov8-VN Register

Technical Reference

The innov8-VN is an electronic water meter register with an embedded cellular modem. This document provides details on the configuration, operation and installation of the device.



*Innov8-VN with
integral antenna*



*Innov8-VN with
external antenna*

Models

All innov8-VN registers are fully configurable and adaptable to many common water meters. The only model variations are for hardware configuration:

- Innov8-VN Register with integral antenna
- Innov8-VN Register with external antenna – 4-ft, 6-ft or 12-ft lengths
- Innov8-VN Register with 3-wire AMR Output
- Innov8-VN Register with Switch Closure Output

Installation

For installation, the innov8-VN will attach to the water meter with an outer housing and in some cases adapter rings. The user will need to specify the type of water meter to ensure the proper hardware is included.

- Metron Spectrum and Enduro water meters
- Sensus™ PMM water meters
- Sensus™ SRII water meters
- Neptune™ water meters
- Badger™ water meters
- Elster™ /Zenner™ water meters

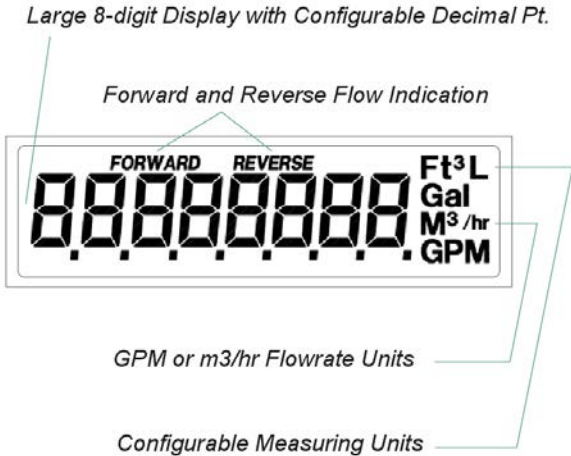


Contact Metron for attachments for other meters.



LCD Configuration

The format of the innov8-VN's LCD display is shown below.



The following diagram shows the default display configuration for residential, commercial and industrial meters.





Configuration Parameters

Configuration of the innov8-VN will typically be performed using the Tablet App Communicator software. This software will run on any Windows™ XP, 7 or 8 laptop or tablet. This software will require an IR-bridge device from T2 which provides the infrared communication to the innov8-VN.

The configuration screen for the innov8-VN register will only show the applicable parameters for this register:

Parameter	Value
ID	1000002
Register Read	555.0
Tx Scaling	1
Log Interval	5 min
Day	2
Month	10
Year	14
Hour	12
Minute	2
Meter Type	SJ
Meter Model	Metron
Units	Gal
Meter Size	5/8"
Firmware Version	0.58.R2.E1.S1.V0.C0
HWVer	2.07
# Retry	0
Batt V	3685
Code	0
Timeout	75
Offset	1498
Con Time	21
HU Days	5 Days
HU Trip Lvl	114 gpm
Zero Use	1 Days
Dec Pos	1
First Digit	5
Avg. Temp	70
Min. Temp	70
Max. Temp	81
IPINIT	3
DNSR	0
IPOPEN	0
Active Functions	<input type="checkbox"/> Back Flow <input type="checkbox"/> High Use <input type="checkbox"/> Leak Detect <input type="checkbox"/> Zero Use
Index Ratio	-0.042
Pulse Weight	1000
Tx Digits	7
Rollers	6

Buttons: GET, SET, Preview SET, EXIT

On the Configuration screen, editable parameters are shown in black while read-only parameters are greyed-out.

Meter Configuration

The meter type, model and size are important **reference** fields for the innov8-VN register. These parameters allow the remote verification of the register's configuration.

- Meter Type: SJ (single-jet), MJ (multi-jet), Disc (Displacement), Turb (turbine), Comp (Compound), Other
- Meter Model: Metron, Badger, Sensus, Neptune, Elster, Mueller, MasterMeter, Other
- Meter Size: 5/8", 5/8x3/4", 3/4", 1", 1.5", 2", 3", 4", 6", 8", 10", 12"
- Units: Gallons or Ft3

The index ratio is the factor which calibrates the innov8-VN to the meter. It is critical to have this factor configured correctly for the innov8-VN to track consumption accurately.

- Index Ratio: Set to match meter model/type/size. Contact Metron for more information
- Tx Scaling: Output units that will be transmitted



LCD Configuration

The LCD configuration is also critical for data accuracy. The incorrect First Digit Position or Decimal Position can cause scaling problems on data resulting in inaccurate billing reads. The innov8-VN register maintains a large reading index number internally and these parameters provide the “window” for display and transmission purposes.

- First Digit Position: 3, 4, 5, 6, 7
- Decimal Position: 0, 1, 2, 3

These parameters should match the defaults for units and meter size. Metron can provide reference sheets for different configurations (i.e. very high resolution) upon request.

Outputs

The innov8-VN can optionally have cabled outputs. One is a 3-wire AMR output and another is a switch closure output. Contact Metron for more information on outputs.

- 3-Wire AMR: Rollers (4, 5, 6, 7, 8)
 - Rollers equates to the number of register dials from left (most significant)
- Switch Closure: Pulse weight (0.01 to 1000)
 - Pulse weight will be limited based on units and LCD configuration

Data Functions

The innov8-VN register has four water consumption data functions: Leak detection, High Usage detection, Zero Usage detection and Backflow detection. Each of these functions can be active or de-active.

- Leak Detect (no configuration parameters)
 - A leak flag is set if consumption is seen in every 5-minute log interval throughout the day. The flag is reset if a period of zero-usage is detected.
- High Usage (Trip level and # of days)
 - A high usage function looks for a certain flowrate which occurs over a number of times per week. If the trip level is exceeded more than the set number of days, the high usage flag is set. If the condition is not seen the next week, the flag is reset.
- Zero Usage (# of days)
 - The zero usage function looks for no consumption for a set number of days. If no consumption is measured over the set number of days, the zero usage flag is set. If any consumption is measured, the flag is reset.
- Backflow (no configuration parameters)
 - The backflow function looks for any 5-minute log interval which has a negative value. If this condition exists, a flag is set. If the condition is removed for a period of 30 days, the flag is reset.



Communications

Communication parameters for the cellular modem are not typically exposed to customers. If any communication parameters need to be adjusted, Metron personnel will provide instructions to the user.

Diagnostics

There are multiple diagnostic fields shown on the configuration screen. These parameters will only be used by a customer during potential technical support calls.

- Date/Time: The unit's internal time
- HW Version: The unit's hardware version
- FW Version: The unit's firmware version
- Batt V: The unit's battery voltage
- # Retry: An unused field set aside for potential future use
- Code: Function code
- Timeout: Internal timeout variable
- Offset: Broadcast Offset
- Con Time: Last connection time
- IP Factors: These are internal timing parameters
- Avg Temp: Previous day's average temperature
- Min Temp: Previous day's minimum temperature
- Max Temp: Previous day's maximum temperature

Item Title: Award of Contracts for Holly Drive Reservoir, Phase 2

Purpose:

To award a construction contract and a professional services contract for the Holly Drive Reservoir - Phase 2, project.

Issues:

Should the Board award a construction contract to Paso Robles Tanks for a not to exceed amount of \$691,000?

Should the Board award a professional services agreement to TKE Engineering for a not to exceed amount of \$92,260?

Manager's Recommendation:

Find Paso Robles Tanks as the lowest responsible bidder and authorize General Manager to execute a construction contract with Paso Robles Tanks. for a not to exceed amount of \$691,000.

Authorize the General Manger to execute a professional services agreement with TKE Engineering for a not to exceed amount of \$92,260.

Background:

The Holly Drive reservoir site has been in design since 2016, undergoing various changes to accommodate increased understanding of the site and water demands in the service area. Originally conceived as the replacement of a single 60,000-gallon tank, the project morphed into the installation of a 120,000-gallon tank and replacement/upgrading existing tank to a 120,000-gallon tank. These changes were necessary to meet system fire flow, as researched for the Water Master Plan developed after initiation of the Holly Drive Tank design.

The project is currently split into three phases; Phase I - geotechnical work has been completed. Phase II - construct new reservoir is being discussed tonight. Phase III - replace old reservoir will be bid at a future date. The current plan is to complete Phase II in early FY2021. Phase III will be budgeted in a future year.

Phase II plans and specifications were advertised in August 2020 and a bid opening was held on September 10, 2020. A total of 2 bids were received.

Bid Opening Results:

<u>Engineer's Estimate</u>	<u>\$477,000</u>
Crosno Tanks	\$898,761
Paso Robles Tanks	\$691,000

Based on a review of the bids, staff recommends award to Paso Robles Tanks for the contract price of \$691,000.

Agenda Date: September 15, 2020

Staff also recommends award of engineering services contract to TKE Engineering for the time and material, not-to-exceed amount of \$92,260. The ratio of engineering service costs to contract cost is about 13.5%, which is within expectations for project management on tank construction. \$20,000 of the engineering services contract is proposed to inspect the shop coating of the steel. While considered an optional task, staff highly recommends the Company authorize said services. Steel tanks are only as good as their coatings.

The budget estimate for this project was \$477,000. The low bid was \$214,000 higher than budgeted.

Additionally, engineering services were not included in the 2020 budget, in error.

Previous Action:

Engineering Design budget approval of \$186,970 through various actions in 2016 and 2017 as scope changed from one 60,000-gallon tank to two 120,000-gallon tanks, including associated CEQA work.

	Awarded	Final Cost
Design Services	\$186,970	\$176,893
Phase 1		
Construction	\$ 236,836	\$ 224,995
Engineering Services	\$ 63,000	\$ 59,185
TOTAL Phase I	\$ 299,836	\$284,180
TOTAL TO DATE	\$ 486,806	\$ 461,073
Proposed Phase II		
Construction	\$ 691,000	
Engineering Services	\$ 92,260	
TOTAL	\$ 783,260	

Impact on Budget:

Capital cost of \$477,000 budgeted in 2020 for completion of Phase II.

Actual proposed cost of Phase II is \$783,260

Proposed Budget increase of \$306,260 due to unbudgeted engineering services and a construction bid higher than estimated.



T K E E N G I N E E R I N G , I N C .

August 1, 2020

Brian Lee, General Manager
SAN ANTONIO WATER COMPANY
139 North Euclid Avenue
Upland, CA 91786

Subject: Proposal to Provide Professional Engineering Services for the Construction Management of the Holly Drive Reservoirs Project Phase

Dear Mr. Lee:

Thank you for the opportunity to submit a proposal to provide professional engineering services for the subject project. San Antonio Water Company (SAWCo) desires to retain professional engineering services to provide Project Management, Construction Management, Materials Testing, and Construction Inspection in accordance with the contract drawings and specifications for the second phase of construction on the Holly Drive Reservoir Project. Phase 2 will construct the first of 2 120,000 gallon reservoirs, overflow piping and system connection piping. Our proposed Scope of Services together with our fee estimate is presented below:

Scope of Services

Construction contract management will include Pre-Construction, Construction, and Post-Construction Services described as follows:

1. Pre-Construction Services

Pre-construction services include contract document advertisement, bidding, award, and contract execution; material submittal review; and pre-construction conference coordination. Pre-construction services, each are discussed in the following paragraphs:

1.1 Bidding, Award, and Contract Execution

TKE will assist SAWCo with a number of activities including advertising, distributing contract documents to perspective bidders, conducting a pre-bid "job walk," responding to bidder RFI's, preparing and distributing addenda, and coordinating the bid opening.

After the bids are received, TKE will review all bids to verify that they have been submitted in accordance with project requirements, verify that the lowest responsive bidder's contractor license is in good standing, and verify that the bidder is qualified to complete the work by discussions with listed experience.

After the lowest responsive bidder is identified, TKE will prepare a board recommendation letter for award.

Once the board approves award, TKE will conform the contracts and deliver them for execution by the lowest responsive bidder. After they execute the contract, TKE will assist SAWCo with execution.

1.2 Team Coordination

TKE will coordinate the project team, including SAWCo staff, Contractor, inspector, geotechnical engineers, materials testing, and other agency staff by advising of the project schedule and specific project requirements. All conferences will be documented.

1.3 Pre-Construction Conference

A preconstruction conference will be held. The conference will be attended by SAWCo staff, TKE's Construction Manager, Construction Inspector and the Contractor. Prior to the conference, we will prepare a conference agenda. At the meeting, we will discuss communication protocol requirements, and procedures for contract submittals, contract administration, job-site access and delivery, and coordination with others. We will document the meeting and distribute meeting minutes to all appropriate parties.

1.4 Material Submittal Review

TKE will prepare a list and review all project submittals. Submittals would include, but are not limited to:

- a. Construction Schedule;
- b. Emergency Contact List;
- c. SWPPP;
- d. Valves
- e. Air Valves
- f. Expansion Joints
- g. Catch Basins
- h. Steel Reinforcement
- i. Rip Rap
- j. Reservoir and Appurtenances
- k. SCADA Equipment
- l. Asphalt Concrete Pavement;
- m. Aggregate Base;
- n. Portland Cement Concrete; and

o. Equipment and Related Materials

We will maintain a project log for the project and it will include descriptions of submittals, date received, and date returned. Once the submittals have been reviewed and accepted, they will be signed, dated, and sent to the Contractor. Submittals will be returned within the time frame specified by the contract documents. The construction schedule will be a critical document. It will be reviewed to verify compliance with the contract documents and will be reviewed biweekly to ensure construction is proceeding efficiently.

TKE's Construction Manager will meet with the Contractor and Project Inspector on a biweekly basis to review progress, changed conditions, issues and progress payments to ensure the project remains on schedule and that SAWCo staff is fully aware of all project proceedings.

2. Construction Services

Construction Services include the following:

2.1 Construction Administration

Prior to beginning construction and throughout the course of construction, we will meet SAWCo Staff. We will prepare agendas and minutes for each meeting and will respond to questions as required. During construction, the Construction Manager will coordinate all construction activities with the construction inspector, the quality assurance professionals, other agencies and utility companies and project surveyors. In addition, the Construction Manager will visit the job site often to observe construction activities. He will document any observed deviations from the plans and he will advise the Contractor, as appropriate, for resolution of observed deficiencies. In addition, our Construction Manager will conduct biweekly meetings with the Contractor to ensure construction is progressing efficiently. We will prepare agendas and minutes for each, and refer to uncompleted business at each meeting. Also, should incidents or issues arise, Contractor will be required to submit reports regarding each.

Throughout the course of construction, our Construction Manager will respond to complaints from the public. In addition, he will review the construction progress and compare it to the approved project schedule and the contractor of deficiencies.

RFI's and RFC's (including written clarification requests and change-in-plan drawings) will be reviewed and responded to regarding the contract documents in order to ensure that the improvements are constructed in

compliance with same; we will provide said responses as required to minimize delays in construction. All RFI's and RFC's will be logged, including content of inquiry and date relayed and date of response.

Our contract administration activities will include progress reviews to ensure that the project is proceeding according to requirements and schedule, biweekly progress review meetings with the contractor, review of contract change order requests, and payment requests and related services. Payment requests and record keeping will include all correspondence, transmittals, drawings, technical manuals, reports, etc. (both hard copy and electronic formats) related to pre-construction, construction and post-construction phases of each construction contract. The documents will be kept at our office.

Project progress and any changes during construction will be noted on a set of the project's contract documents maintained in our office. If a problem occurs requiring a SAWCo decision, we will consult with staff. The Construction Manager will attempt to resolve complaints, concerns, and questions from residents and other affected agencies without staff assistance.

Through e-mail, telephone conferences, and regular meetings, the Construction Manager will keep staff informed of project progress, problems that have occurred during construction, and any changes in work. Whenever possible, we will review required changes with staff prior to making same.

Each month, we will review the construction payment requests submitted by the contractor for work completed and the construction schedule. In addition, we will verify that certified payroll has been submitted. We will review the work completed and payment requests to ensure that the quantities and amounts requested reflect the actual work completed. After each request has been reviewed (and revised if necessary), we will approve it for payment. We will also submit a monthly status report with each payment request verifying compliance with the project schedule. If the Contractor begins to fall behind the schedule, we will request corrective action.

If change conditions occur, we will negotiate with the Contractor to establish the impact of change conditions and we will attempt to complete negotiations prior to beginning work. SAWCo will be included in all negotiation requiring a contract amount increase. If we fail to reach an agreement and the work must continue, we will direct the Contractor to complete the work. The Construction Inspector document the labor, materials and equipment used for the extra work for use in future negotiations.

We will review any change order request received to determine if said request is warranted. If the change order request is not warranted, we will reject it in writing; prior to sending rejection letters to the Contractor, we will

review it with SAWCo staff. If the change order request appears justified, we will review it with the Construction Inspector and compare it with field reports for confirmation of materials, equipment and/or labor involved; we will review same with staff and receive staff's approval prior to preparing and processing the contract change order. Change orders will be prepared on standard forms. Change Orders will be summarized in a log for review at our weekly meetings.

We will ensure that telephone numbers for normal working hours, evenings, and weekends for our staff, contractor, utilities, and emergency services are provided to all concerned parties.

In addition, we will maintain documents and records. We will ensure that the contractor is submitting proper labor reports, time and material reports, material invoices and/or tickets, certifications, warranties and all other such documents as necessary for a complete and successful project.

2.2 Construction Staking

TKE will provide construction staking services required to complete construction. We will prepare grade sheets and we will provide stakes for construction at required locations as established by the Contractor.

2.3 Construction Inspection

TKE will provide part time construction inspection. Our construction inspector will provide daily construction inspection to verify that the project is progressing in compliance with the contract documents. He will regularly discuss anticipated construction activities to ensure quality compliance and surveying is scheduled as needed to ensure the project is proceeding efficiently. We will require strict compliance with requirements for all construction activities. All materials will be reviewed against approved material submittals as they arrive on-site. Batch tickets or weigh certificates will be collected upon material arrival.

Our Construction Inspector will verify SWPPP and safety provisions have been implemented at the start of each work day, at the construction site. Any deviations will be documented. All system service interruptions, connections and abandonments will be coordinated with staff. In addition, TKE will verify all quality testing for the project.

We will digitally photograph the activities and maintain copies in the project files and our Construction Inspector will prepare daily field reports, which will document all observed project activity, including location of the activity, number of workers present, construction equipment used, inspector present, weather conditions, and construction progress. All project documentation

will be completed on standard forms. All documents will be submitted in hard copy and electronic copy formats. TKE will provide all inspection equipment needed.

2.4 Coatings Inspection

TKE is proposing to use Harper and Associates for tank lining and coating inspection. Coating and painting quality control inspection will include, coating surface preparation inspection, prime coat inspection, finish coat inspection, final inspection, dry film thickness, holiday detection, and shop coating inspection.

2.5 Materials Testing

LOR Geotechnical will provide quality testing services for the project including material testing and compaction testing. TKE will review all test reports completed by LOR to verify contract compliance. Materials testing costs are budgeted amounts only and will be billed based on the actual time expended for testing purposes.

3. Post Construction

Post construction services include the following:

3.1 Construction Close-Out

TKE will establish punch-lists for project completion, deliver maintenance bonds and/or manufacturer warranties, operations and maintenance manuals are provided, and all other construction requirements have been completed.

Through the course of construction, TKE will document changes on a set of record drawings. Once the project has been completed, TKE will prepare record drawings and provide them. They will be signed and stamped by the construction manager and will reflect the improvements as constructed. Said record drawings will be based on data furnished by the Contractor, and our weekly field reports.

We will forward copies of all records in digital format and we will prepare a summary of construction changes, final cost, and schedule revisions. In addition, TKE will provide a final narrative summary report documenting construction activities.

TKE Project Fees

Based on the construction documents, we estimate a period of two months for construction. Using this duration and knowledge of the contract documents, TKE has budgeted the following:

Description	Amount
1. Pre-Construction Services	
1.1 Bidding, Award and Execution	\$ 4,300
1.2 Team Coordination	\$ 2,070
1.3 Pre-Construction Conference	\$ 2,180
1.4 Material Submittal Review	\$ 8,200
2. Construction Services	
2.1 Construction Administration	\$ 8,540
2.2 Construction Staking	\$ 3,680
2.3 Construction Inspection	\$ 17,600
2.4 Painting and Coating Inspection	\$ 35,000
Shop Coating Inspection (Optional)	\$ 20,000
2.5 Materials Testing	\$ 6,000
3. Post Construction Services	
3.1 Construction Close-Out	\$ 3,490
	Subtotal: \$91,060
	Reimbursables: \$ 1,200
	Total: \$92,260

The amount specified is a budget estimate and TKE will bill SAWCo in accordance with our rate schedule for actual hours incurred not exceeding the budget amount without prior authorization.

Again, thank you for the opportunity to submit our proposal to provide professional engineering services. If you have any questions, please contact me at (951) 680-0440.

Sincerely,

Terry Renner, P.E., Q.S.D.
Senior Vice President
TKE ENGINEERING, INC.

Attachment:

Fee Breakdown

Agenda Item No. 6C

Item Title: Company Response to COVID-19

Purpose:

To discuss the Company's response to the COVID-19 Pandemic.

Issue:

How are State and Local Government Recommendations and Orders impacting the Company during the COVID-19 Pandemic?

Manager's Recommendation:

No recommendation. For discussion only.

Background:

While the nation continues to grapple with appropriate responses to the pandemic there has been limited disruption to the Company's operations.

Impact on the Budget:

Limited but currently uncategorized

Previous Actions:

None.