

7

Safety Report

July 2021



| Date | Injury | Description | Cause(s) | Prevention |
|---------|-------------------------|---|-----------------------|--|
| 6/21/21 | Shoulder, Arm and Wrist | While attempting to open the Fish count access door an employee pulled their right shoulder, smashed right arm and right wrist. | Awkward body position | Redesign the access panel to allow improved ergonomics (complete). |
| 6/21/21 | Shoulder | An employee was moving and laying out cribbing and felt a slight sting. Later in the day their right shoulder pain increased. | Overexertion | Get assistance or lighten the load to avoid injury. |

Injuries Reported



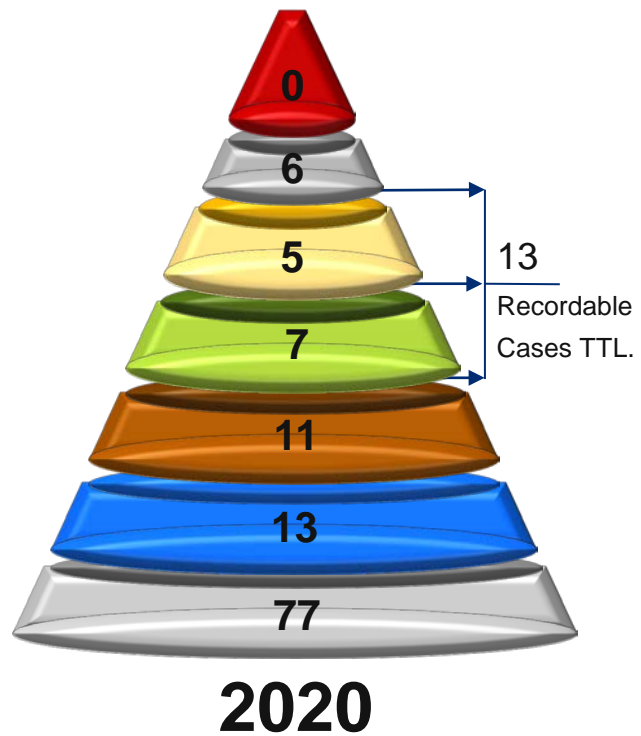
| 2020 | Month | YTD |
|--------------------------|-------|-----|
| Total Incidents Reported | 2 | 13 |
| Recordable Case(s) | 0 | 3 |
| Restricted Duty Case(s) | 0 | 3 |
| Lost Workday Case(s) | 0 | 0 |

Monthly and Year to Date



2021 incidents Year to Date Summary

Employee Safety



| Date | Vehicle | Driver's Account: | Prevention |
|-----------|---------------|--|--|
| 6/16/2021 | Electric City | An employee was backing a truck over a curb down a hill to the work location. Spotters were behind the truck helping the driver. The bottom of the fuel tank contacted the curb resulting in a dent in the tank. | Ensure spotters also monitor ground clearances |
| 6/24/2021 | T572 | An employee was backing a bucket truck up in the sand almost getting stuck. They continued to pull forward and back while changing directions for traction each time. Then was able to pull forward and get a good run at it. Then sand pulled the truck in the wrong direction hitting the backhoe. | Situational Awareness |

Vehicle Incidents



| Date | Location | Description |
|----------|---------------------------|--|
| 6/2/2021 | Quincy Plains Substation | <p>While testing SCADA at Quincy Plains substation, an attempt to close breaker QP21 resulted in SCADA attempting to close breaker QP12. Breaker QP12 was out on clearance for contractor work. QP12 breaker did not operate due to SCADA being disabled per the clearance process, which prevented a safety issue.</p> <p>This event shows the importance of following proper clearance procedures to protect personnel working on equipment. It also demonstrates the importance of testing SCADA operation before releasing it for use.</p> <p>However, the event also demonstrates that SCADA testing could result in an unintended customer outage without further precautions being implemented.</p> |
| 6/3/2021 | GB132 Transmission Switch | <p>While closing loop on transmission line switch a crew member noticed with binoculars that the switch did not fully seat in jaws . After trying to adjust and not being able to fix problem, it was decided to cancel the rest of the job.</p> |
| 6/8/2021 | HWY 243 | <p>A Foreman warned employees regarding traffic passing on hill in a no passing zone. Following the next break while turning in to the Wanapum boat basin a vehicle illegally passed. Employee driving looked before he turned and noticed the vehicle illegally passing. Great awareness on his part.</p> |

Close Calls



| Date | Location | Description |
|-----------|--|---|
| 6/9/2021 | Crescent Bar Hut | A bucket was found in the hut upside down near some panels that can require a ladder. It appears someone may have been using it to stand on as footprints indicated. |
| 6/14/2021 | Ancient Lake Hut | A spool of rope was found in Ancient Lakes Fiber Hut appeared to be used in place of a ladder. |
| 6/14/2021 | Transportation Shop Bay #1 | Track support for the garage door pulled out of the ceiling causing it to sag down and hit the west bridge crane at the ESC auto-shop |
| 6/15/2021 | Rd. 16 NE | While driving the bucket truck to a transformer changeout the driver was trying to find a road to the location and did not see a phone service that was too low. The boom of the bucket caught the phone service, pulling it apart from the house knob and pulling the wires apart as well. No damage to the bucket, and century link was notified. |
| 6/18/2021 | Hwy 17 between turn off for Neppel and Northlake Rd. | Drivers showed good defensive driving skills and situational awareness to prevent collision from occurring. |

Close Calls



| Date | Location | Description |
|-----------|----------------------------------|---|
| 6/23/2021 | Burke Substation | While reviewing work at the Burke Substation, employees noticed equipment that could be operated that would energize areas/equipment where work was occurring. These energization points were not tagged properly to prevent operation. Dispatch shut the job down until energization points were correctly tagged. |
| 6/24/2021 | PRD - Generator Floor | The upstream/downstream toggle on bridge crane #2 remote did not disengage when released. The crane operator reacted quickly to engage the E-stop button to stop the travel before the load contacted anything. The remote was returned to the Toolman and exchanged with the spare. |
| 6/27/2021 | Moses Lake Backup Control Center | The door to the Moses Lake Control Center is a hazard. It gets very hot in the afternoon sun. The door surface was measured at 182° F at about 17: 45 on 6/27 with an Ideal Sperry 61-682 IR thermometer, while another person measured it at 187° F. |

Close Calls



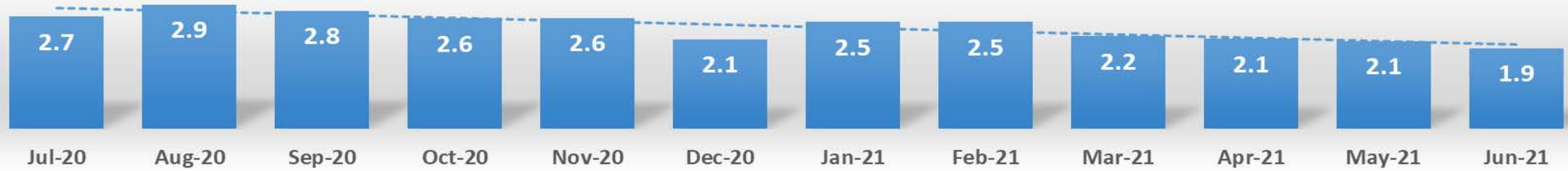
| Date | Location | Description |
|-----------|---|---|
| 6/1/2021 | Baird Springs Substation site | During the afternoon of June 1st, a Potelco craft worker was taken to a local clinic due to effects from heat exhaustion. Worker was observed, treated, cleared and released by clinical staff to resume work. |
| 6/2/2021 | Quincy Plains Substation | During SCADA testing, a sliver of fiber left from fiber termination at one of the breakers was found. This poses a potential risk of fiber penetrating the skin and working its way into the human body. A follow up discussion with the contractor has been conducted regarding improved QA/QC and job task cleanliness. |
| 6/25/2021 | Dodson Rd & Rd 2 NW (North Sky Communications) | An Aerial crew was working on Dodson road with Northwest Barricade flagging service. The crew was working in the North bound lane and diverting traffic through the south bound lane around the crew while stringing cable on the pole line. The foreman heard over the radio that a car ignored the flaggers stop sign and hand signals to stop. The lady didn't look up until she reached the crew at the south end of the work zone. The flaggers were able to hold all other traffic and keep the lane clear since the crew had good communication and response to the situation. No one got hurt and no accidents happened. Communication was key to keeping everything safe that day. |
| 6/26/2021 | Wanapum Dam Lower Boat Launch | Contractor truck got stuck in loose cobble material while attempting to access test location. Driver engaged all wheel drive but was unable to make progress in either direction without getting further stuck. A tow truck was called and successfully recovered the truck. Prior to attempting to access the site the route was walked several times by the District Representative and the Contract Personnel. |

Contractor Close Calls, Injuries & Incidents



Leading & Lagging Indicators

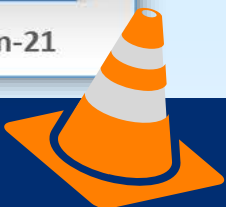
Recordable Injury Rate



Jobsite Reviews Conducted

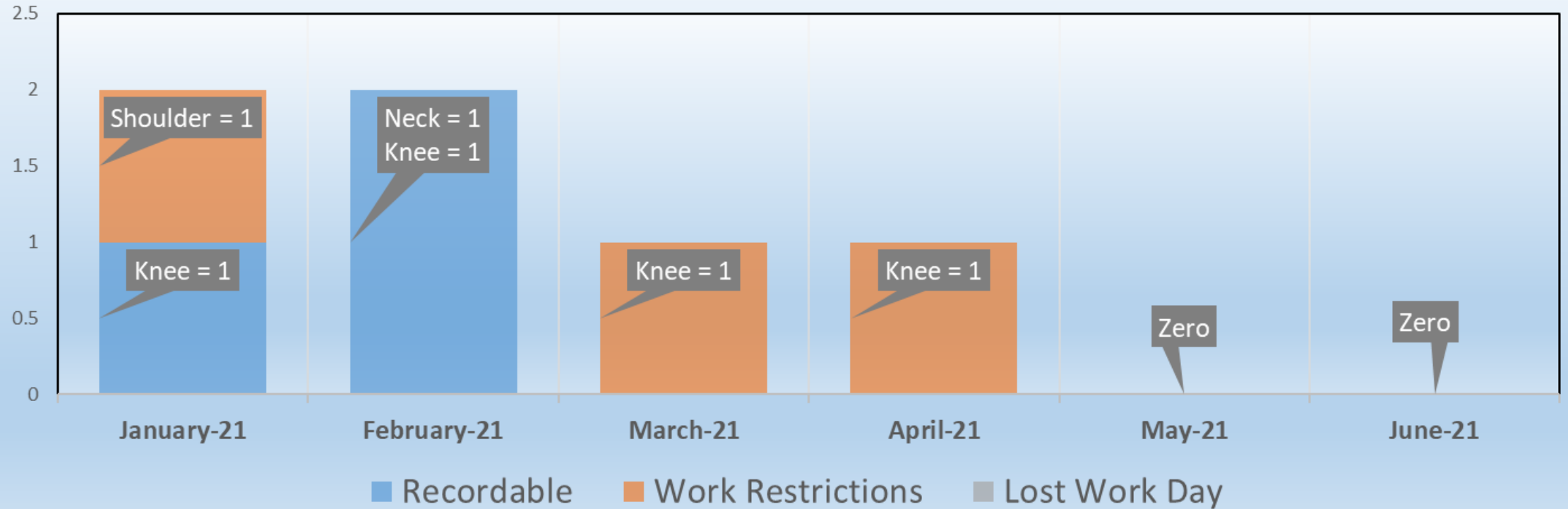


Safety Meeting Attendance

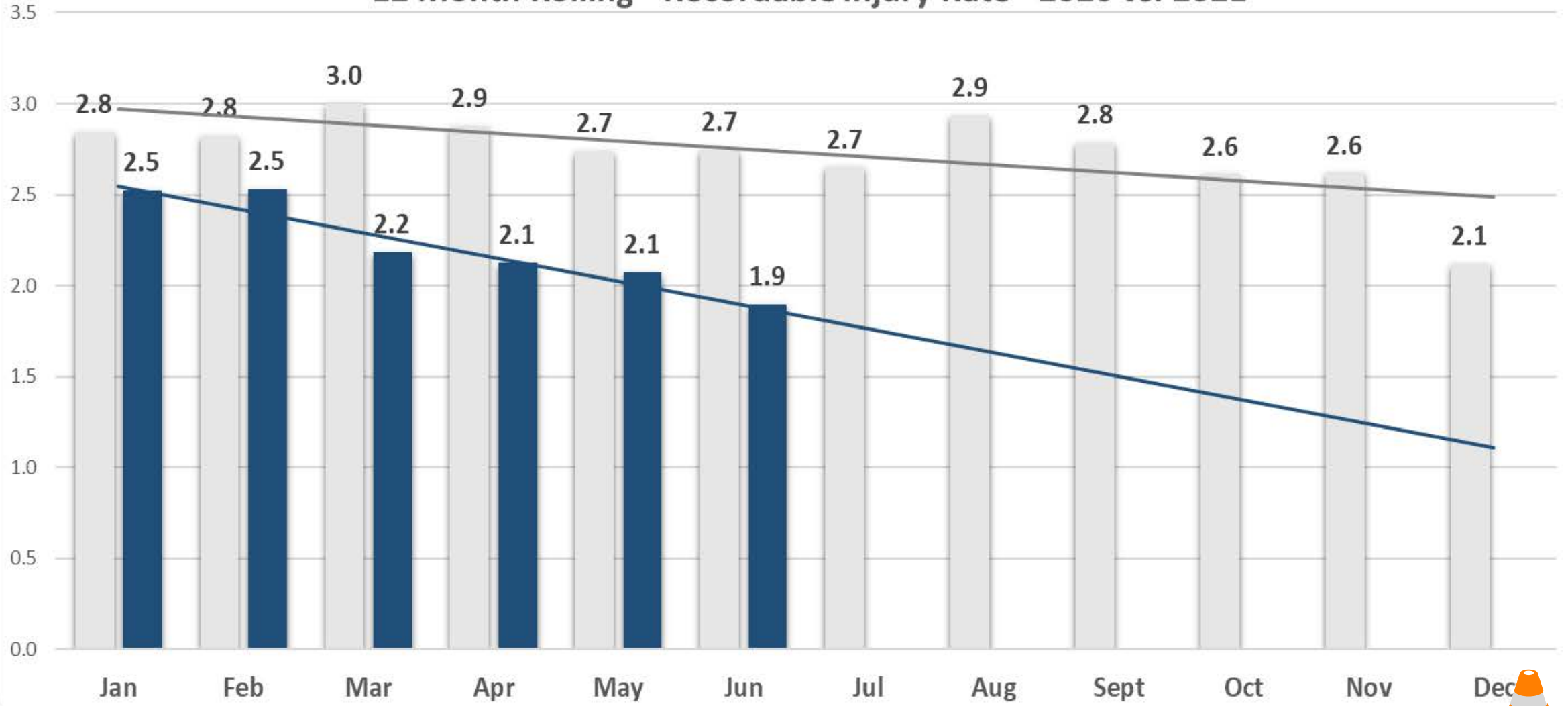


Leading & Lagging Indicators

2021- RECORDABLE INJURIES BY MONTH



12 Month Rolling - Recordable Injury Rate - 2020 vs. 2021



Vaccinated or Unvaccinated What Now?

Vaccinated

“Did you know as of July 6th you can be exempt from wearing a face covering or physical distancing requirements if you provide proof you are fully vaccinated against COVID-19? You can provide proof by either emailing a photo of your vaccine card or by sending an electronic signed form attesting your are fully vaccinated to vaccineplanning@gcpud.org.”

Unvaccinated

Continue to follow the guidance as required in SA-BC-POL-206 GRANT PUD COVID-19 PPE REQUIREMENTS



Safety Action Item Critical Success Factors

Incident Reporting

(Date of Entry into System vs Date of Distribution Systemwide)

- Number of Close Calls in **June** = 17
- Number of Close Calls sent Next day after being entered into the system = 3



Number of Open Action Items over 60 days old

| As of May 2021 | As of June 2021 |
|-------------------------|-------------------------|
| Year 2017 = 8 | Year 2017 = 8 |
| Year 2018 = 11 | Year 2018 = 11 |
| Year 2019 = 21 | Year 2019 = 21 |
| Year 2020 = 11 | Year 2020 = 10 |
| Year 2021 = 12 | Year 2021 = 12 |
| Month Total = 59 | Month Total = 59 |

Net - June 2021: 0



Incident Reporting for June 2021

(Date of Incident vs. Date of Entry into System)

Injuries

- Total Number of Injuries = **2**
- Total Number of Injuries Which Date of Incident and Date Entered into System Match = **1**

Mobile

- Total Number of Mobile Incidents = **2**
- Total Number of Mobile Incidents that Date of Incident and Date Entered into system match = **1**



Thank You!



Powering our way of life.



Wholesale Fiber

Q2 2021 Business Report



Business Unit Mission

To improve the quality of life for the communities we serve through increased access to competitive fiber optic internet services.

2021 Priorities

PRIORITY 1: Upgrade Network Core

- Core links to each distribution node at least 100G with built in expansion capability to at least 400G
- Contract with preferred vendor for Commission review/action in August – expect implementation to begin by end of Q3 and ½ of distribution links will be 100G by the end of 2021. The remainder of the upgrade will be accomplished by end of Q2, 2022

PRIORITY 2: Upgrade Oldest Hubs

- Replace all hubs that have less than 10G uplink capability
- While there have been vendor challenges, this is expected to be complete by the end of 2021

PRIORITY 3: Expand the Network

- Complete the remaining 2020 areas – portion of Area 12 plus Areas 14 and 15 – as well as Areas 16 through 19
- Area 12 painful on again/off again permit process; Areas 14 and 15 completed; Area 16 releasing in stages as permits received and should be completely done in August. Areas 17-19 on schedule at this time

PRIORITY 4: Increase the take rate of services on the Network

- Increase take rate to 67%
- 66% through Q2

PRIORITY 5: Achieve Average System Uptime

- Meet or exceed 99.98%
- 99.99% through Q2

Challenges

Permits

- DOT and RR continue to be unpredictable

Workforce

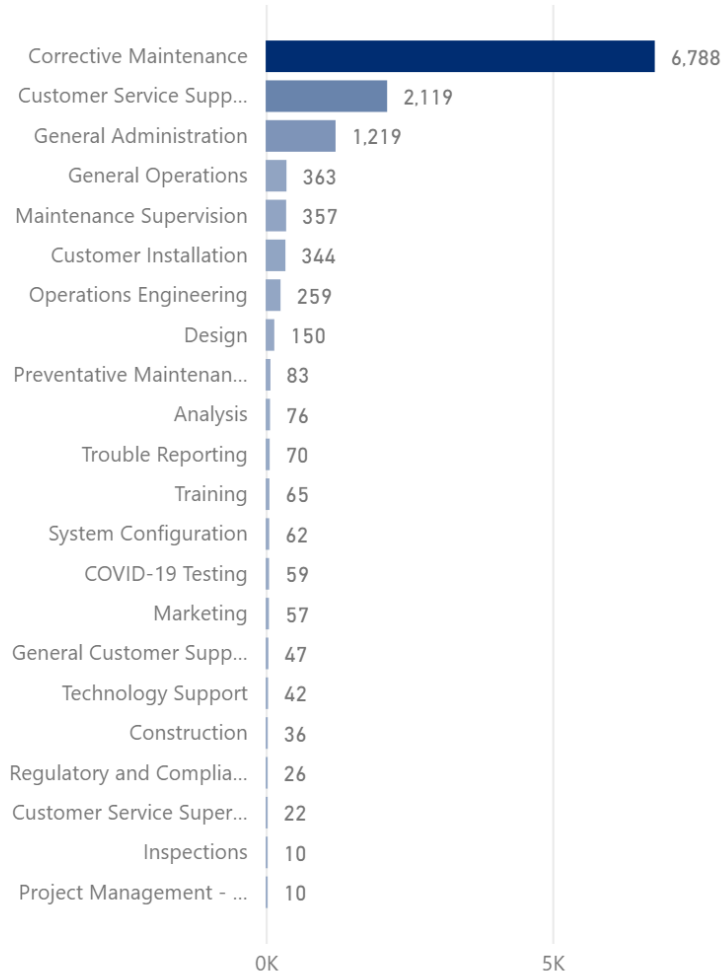
- Contractor has a stable quantity of trained workforce that are rocking it, but they struggle to hire more staff to go as fast as we would like

Materials

- Fiber cable lead times are about 1 year, and demand is increasing nationally. Cable for 2022 build should be here in time, but we will struggle to keep inventory for infill/growth and if lead times continue to increase, the expansion will be impacted

System
Wholesale Fiber

Hours by Activity

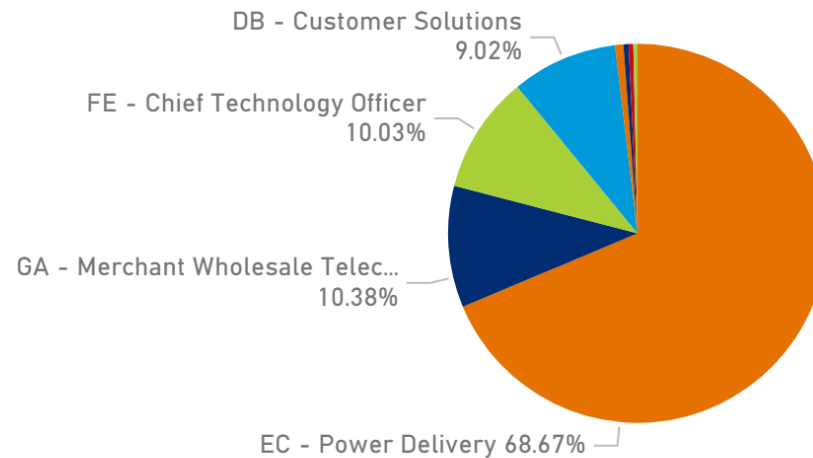


Budget vs Actuals (Including Cap Labor)

| Cost Category Type/Cost Category | Budgeted | Actuals | Budget Var | Budget Var % | Consumed % |
|--|--------------------|--------------------|------------------|---------------|---------------|
| Labor | \$1,093,493 | \$1,021,959 | -\$71,534 | -6.5% | 93.5% |
| Salaries & Wages | \$631,686 | \$515,144 | -\$116,543 | -18.4% | 81.6% |
| Benefits | \$368,856 | \$382,893 | \$14,037 | 3.8% | 103.8% |
| Overtime | \$88,392 | \$120,648 | \$32,256 | 36.5% | 136.5% |
| Other Labor | \$4,558 | \$3,274 | -\$1,284 | -28.2% | 71.8% |
| Operating Materials & Equipment | \$150,447 | \$133,973 | -\$16,474 | -10.9% | 89.1% |
| Purchased Services | \$45,777 | \$48,100 | \$2,324 | 5.1% | 105.1% |
| G&A | \$24,670 | \$9,688 | -\$14,983 | -60.7% | 39.3% |
| Transportation | \$16,250 | | | | |
| IT | \$10,800 | \$80,738 | \$69,938 | 647.6% | 747.6% |
| Utilities | \$2,496 | | | | |
| Total | \$1,343,933 | \$1,294,458 | -\$49,475 | -3.7% | 96.3% |

Dollars by Operational Unit

- EC - Power Delivery
- GA - Merchant Wholesale Telecom
- FE - Chief Technology Officer
- DB - Customer Solutions
- FD - Internal Services
- DG - External Affairs Comm
- EB - Power Production
- ED - EPMO_OCM
- FG - Accounting Controller
- FF - Risk Audit Compl

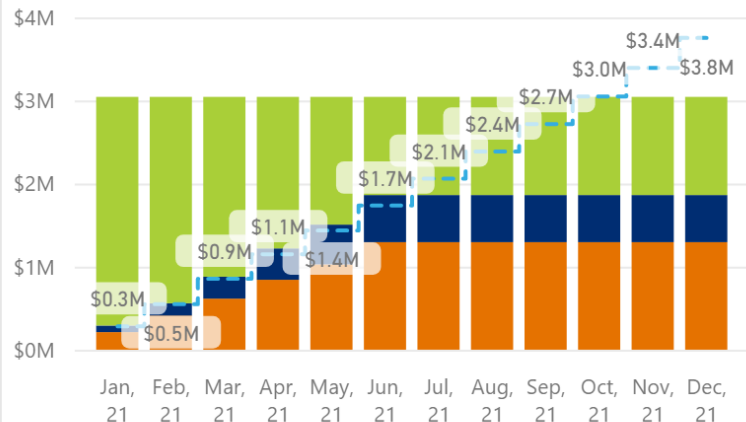


System

Wholesale Fiber

Capital Labor & Net Actuals YTD Vs. Year-End-Projections

● Net Actuals ● Capital Labor ● YEP Yearly Total Remaining ● Budget YTD



Gross Actuals Vs. Budget

\$1.9M +7.3%



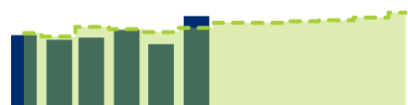
Capital Labor Actuals Vs. Budget

\$567.1K +44.9%



Net Actuals Vs. Budget

\$1.3M -3.7%



Budget vs Actuals (Including Cap Labor)

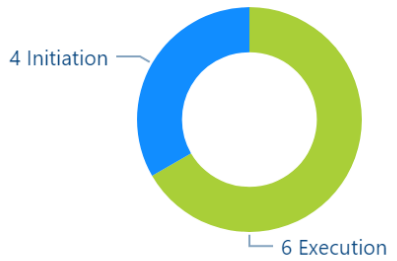
| Cost Category Type/Cost Category | Budgeted | Actuals | Budget Var | Budget Var % | Consumed % |
|--|--------------------|--------------------|------------------|---------------|---------------|
| Labor | \$1,484,794 | \$1,589,066 | \$104,271 | 7.0% | 107.0% |
| Salaries & Wages | \$840,458 | \$804,437 | -\$36,021 | -4.3% | 95.7% |
| Benefits | \$533,290 | \$595,934 | \$62,644 | 11.7% | 111.7% |
| Overtime | \$106,488 | \$185,421 | \$78,933 | 74.1% | 174.1% |
| Other Labor | \$4,558 | \$3,274 | -\$1,284 | -28.2% | 71.8% |
| Operating Materials & Equipment | \$150,447 | \$133,973 | -\$16,474 | -10.9% | 89.1% |
| Purchased Services | \$45,777 | \$48,100 | \$2,324 | 5.1% | 105.1% |
| G&A | \$24,670 | \$9,688 | -\$14,983 | -60.7% | 39.3% |
| Transportation | \$16,250 | | | | |
| IT | \$10,800 | \$80,738 | \$69,938 | 647.6% | 747.6% |
| Utilities | \$2,496 | | | | |
| Total | \$1,735,235 | \$1,861,565 | \$126,331 | 7.3% | 107.3% |

- Capital Labor is a subset of the Labor above

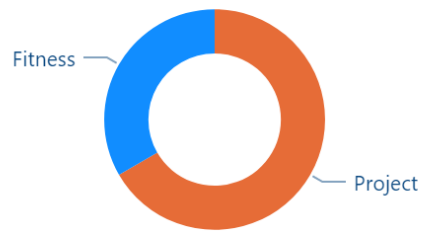
- Net Actuals vs Budget = Gross Actuals minus Capital Labor

| Initiative ID | Name | CY Scope | CY Schedule | CY Price | CY Variance | TP Scope | TP Schedule | TP Price | TP Variance | |
|---------------|--------------------------------------|----------|-------------|------------|------------------|----------|-------------|-----------------|------------------|------------------|
| IN182 | Wholesale Fiber OSS BSS.xlsm | ○ | \$0 ○ | \$0 ◆ | \$153,038 ◆ | ○ | \$0 ● | \$26,179 ◆ | \$235,609 ◆ | \$261,788 |
| IN186 | Fiber Expansion.xlsm | ○ | \$0 ○ | \$0 ○ | \$0 | ○ | \$0 ○ | \$0 ○ | \$0 | (\$0) |
| IN191 | Broadband Customer Connectivity.xlsm | ○ | \$0 ○ | \$0 ○ | \$0 ◆ | ○ | \$0 ○ | \$0 ○ | \$0 ◆ | \$346,293 |
| Total | | | \$0 | \$0 | \$153,038 | | \$0 | \$26,179 | \$235,609 | \$608,081 |

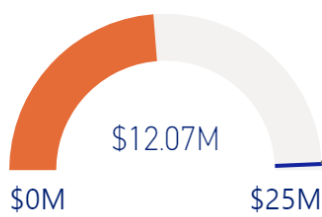
Project Phase



Project Type



YTD Actuals



| Initiative ID | Name | CY Budget | CY Approved Spend | CY Actuals | BOY Fx | CY YEP |
|---------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| IN186 | Fiber Expansion.xlsm | \$16,400,000 | \$18,115,758 | \$7,860,194 | \$9,440,000 | \$17,300,194 |
| IN191 | Broadband Customer Connectivity.xlsm | \$5,400,000 | \$6,987,161 | \$4,129,154 | \$3,204,300 | \$7,333,454 |
| IN182 | Wholesale Fiber OSS BSS.xlsm | \$0 | \$299,883 | \$76,671 | \$376,250 | \$452,921 |
| Total | | \$21,800,000 | \$25,402,802 | \$12,066,019 | \$13,020,550 | \$25,086,569 |

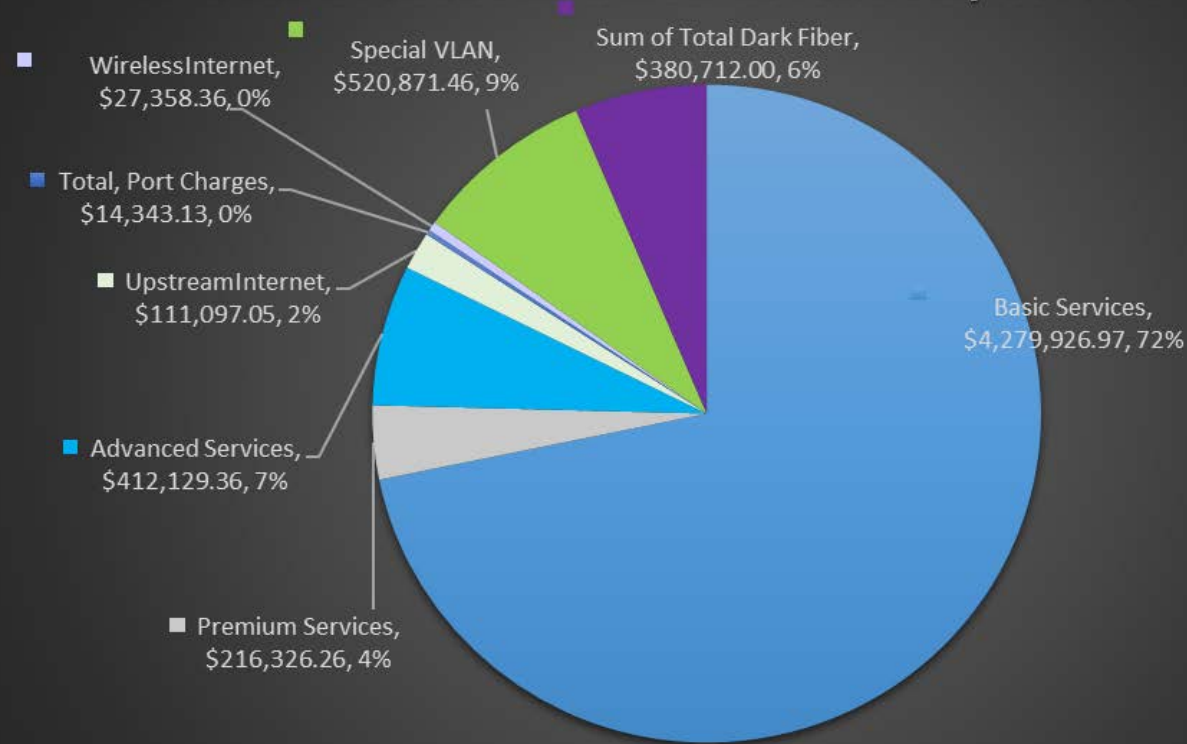
Summary of Expenditures

| Type | As of 06/30/21 | |
|---------------------------------|----------------|-------------------|
| Expansion CAP Directs | \$7,860,194 | |
| Expansion CAP Labor | \$341,580 | |
| Connect Cust CAP Directs | \$4,129,154 | |
| Connect Cust CAP Labor | \$154,649 | |
| OSS BSS Project Directs | \$76,671 | |
| OSS BSS CAP Labor | \$70,878 | |
| O&M Directs | \$272,499 | O&M plus |
| O&M Labor | \$1,021,959 | "Routine Capital" |
| TOTALS | \$13,927,584 | \$5,725,810 |

Revenue

| | |
|---------------------|----------------|
| YTD INVOICED AMOUNT | \$5,998,727.32 |
| YTD REVENUE TARGET | \$5,475,000.00 |

YTD 2021 Broadband Billed Revenue by Service



Participation

Growth By Community (as of 6/30/21)

| Area | Potential Subscribers | Actual Subscribers | Participation Actual | Growth for Month | YTD Growth |
|---------------|-----------------------|--------------------|----------------------|------------------|--------------|
| Coulee City | 984 | 500 | 50.81% | 11 | 112 |
| Desert Aire | 1134 | 1016 | 89.59% | 10 | 74 |
| Electric City | 767 | 487 | 63.49% | 3 | 32 |
| Ephrata | 4865 | 3334 | 68.53% | 31 | 406 |
| Grand Coulee | 663 | 426 | 64.25% | 5 | 8 |
| Hartline | 116 | 76 | 65.52% | 0 | 6 |
| Mardon | 682 | 424 | 62.17% | 11 | 62 |
| Mattawa | 1385 | 1148 | 82.89% | 14 | 85 |
| Moses Lake | 17764 | 11536 | 64.94% | 299 | 802 |
| Quincy | 3645 | 2344 | 64.31% | 32 | 184 |
| Royal City | 768 | 577 | 75.13% | 5 | 31 |
| Soap Lake | 2373 | 1436 | 60.51% | 21 | 70 |
| Warden | 958 | 480 | 50.10% | 4 | 46 |
| Wilson Creek | 163 | 90 | 55.21% | 0 | 5 |
| George-Burke | 972 | 600 | 61.73% | 10 | 81 |
| | 37,239 | 24,474 | 65.72% | 456 | 2,004 |

End of Q1 for Comparison

| Area | Potential Subscribers | Actual Subscribers | Participation Actual | YTD Growth |
|---------------|-----------------------|--------------------|----------------------|------------|
| Coulee City | 987 | 442 | 44.78% | 54 |
| Desert Aire | 1129 | 962 | 85.21% | 20 |
| Electric City | 660 | 471 | 71.36% | 16 |
| Ephrata | 4650 | 3177 | 68.32% | 249 |
| Grand Coulee | 663 | 414 | 62.44% | -4 |
| Hartline | 116 | 71 | 61.21% | 1 |
| Mardon | 676 | 383 | 56.66% | 21 |
| Mattawa | 1378 | 1103 | 80.04% | 40 |
| Moses Lake | 17499 | 10973 | 62.71% | 239 |
| Quincy | 3634 | 2243 | 61.72% | 83 |
| Royal City | 759 | 562 | 74.04% | 16 |
| Soap Lake | 2290 | 1371 | 59.87% | 5 |
| Warden | 946 | 466 | 49.26% | 32 |
| Wilson Creek | 163 | 87 | 53.37% | 2 |
| George-Burke | 949 | 557 | 58.69% | 38 |
| | 36,499 | 23,282 | 63.79% | 812 |

Growth Target:
2675 county wide

Take Rate Target:
67%

Fiber Expansion Project Update

Quarter 2, 2021 Report



Powering our way of life.

Completed Build Areas

Crescent Bar

Sunland

Beverly–Schwana

Coulee City

Ancient Lakes / White Trail

Blue Lake

Electric City

Base

McConihe

Kittleson Rd

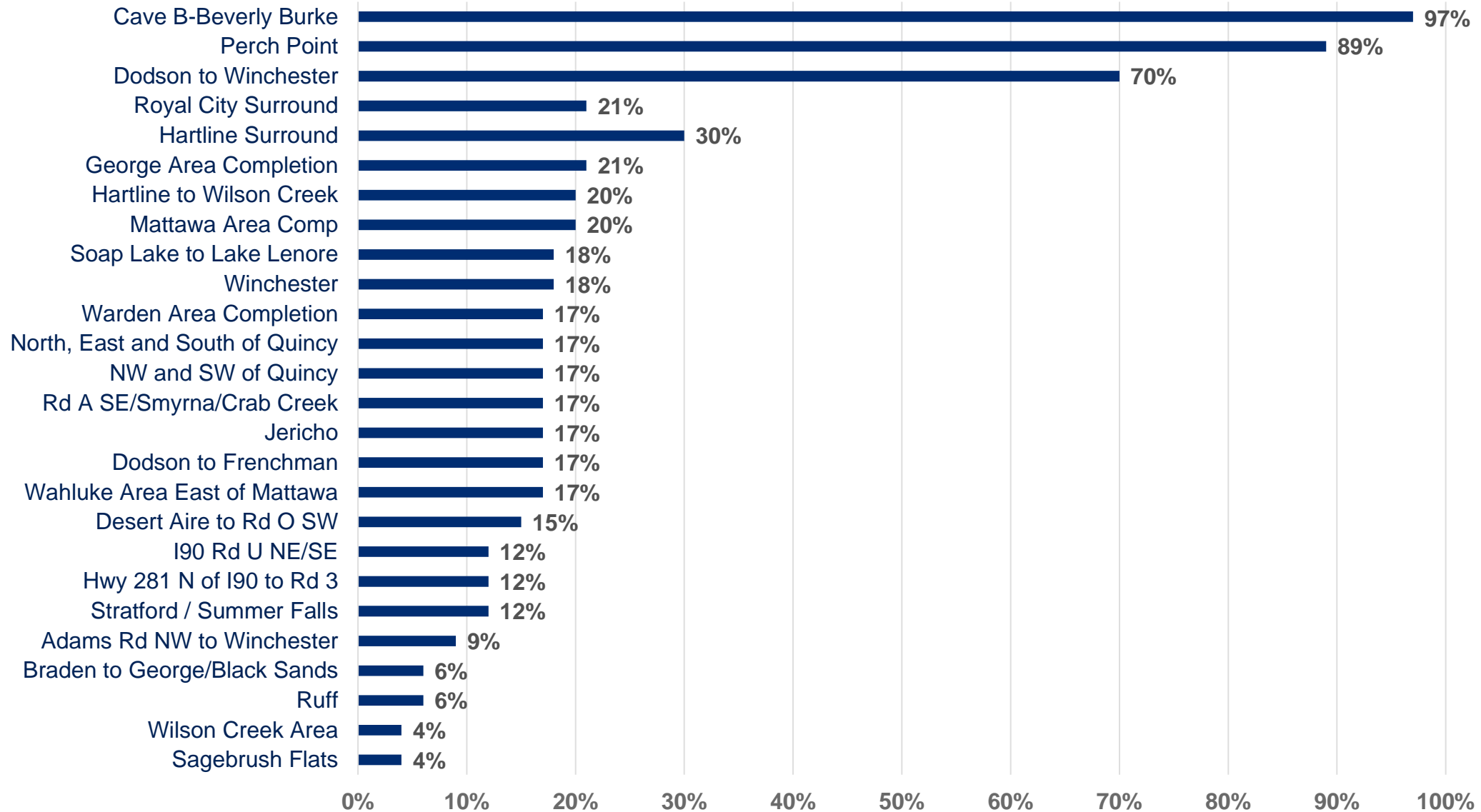
Ephrata City Limits

Rd 9 NW / Hwy 281

Ephrata South Sub

Gloyd Stratford

Progress to Date



Project Schedule Construction

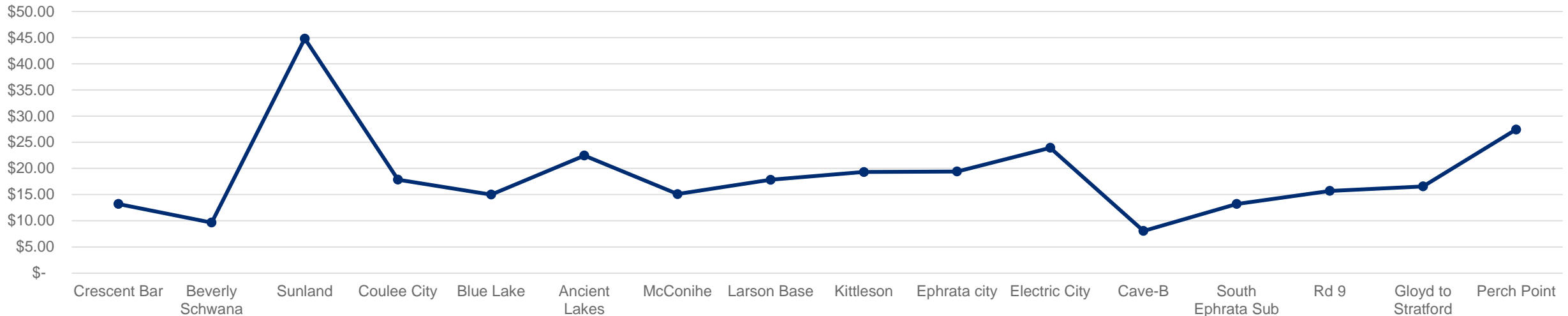
| | | <u>Release</u> |
|-----------|---------------------------------|----------------------------|
| • Area 16 | Perch Point/Wilbur Ellis | 5/24/21 *Revised |
| • Area 17 | Dodson to Winchester | 8/30/21 |
| • Area 18 | Royal City Surrounding | 10/25/21 |
| • Area 19 | Complete Hartline Area | 12/20/21 |
| • Area 20 | George Area Completion | start construction 8/24/21 |
| • Area 21 | Between Hartline & Wilson Creek | start construction 9/1/21 |

Underground cost by build area

| Build | Total Cost | Total Miles | Total Ft | Cost/Mile | Cost/Ft |
|-----------------------|-----------------|-------------|----------|---------------|----------|
| 1 Crescent Bar | \$ 509,169.83 | 7.3 | 38,544 | \$ 69,749.29 | \$ 13.21 |
| 2 Beverly Schwana | \$ 132,644.40 | 2.6 | 13,728 | \$ 51,017.08 | \$ 9.66 |
| 3 Sunland | \$ 1,040,969.96 | 4.4 | 23,232 | \$ 236,584.08 | \$ 44.81 |
| 4 Coulee City | \$ 226,251.68 | 2.4 | 12,672 | \$ 94,271.53 | \$ 17.85 |
| 5 Blue Lake | \$ 364,231.56 | 4.6 | 24,288 | \$ 79,180.77 | \$ 15.00 |
| 6 Ancient Lakes | \$ 794,230.77 | 6.7 | 35,376 | \$ 118,541.91 | \$ 22.45 |
| 7 McConihe | \$ 1,292,231.90 | 16.2 | 85,536 | \$ 79,767.40 | \$ 15.11 |
| 8 Larson Base | \$ 28,250.89 | 0.3 | 1,584 | \$ 94,169.63 | \$ 17.84 |
| 9 Kittleson | \$ 673,386.45 | 6.6 | 34,848 | \$ 102,028.25 | \$ 19.32 |
| 10 Ephrata city | \$ 635,605.51 | 6.2 | 32,736 | \$ 102,517.02 | \$ 19.42 |
| 11 Electric City | \$ 1,327,298.08 | 10.5 | 55,440 | \$ 126,409.34 | \$ 23.94 |
| 12 Cave-B* | \$ 306,480.15 | 7.2 | 38,016 | \$ 42,566.69 | \$ 8.06 |
| 13 South Ephrata Sub | \$ 536,767.11 | 7.7 | 40,656 | \$ 69,710.01 | \$ 13.20 |
| 14 Rd 9 | \$ 315,171.21 | 3.8 | 20,064 | \$ 82,939.79 | \$ 15.71 |
| 15 Gloyd to Stratford | \$ 367,538.29 | 4.2 | 22,176 | \$ 87,509.12 | \$ 16.57 |
| 16 Perch Point* | \$ 1,042,868.71 | 7.2 | 38,016 | \$ 144,842.88 | \$ 27.43 |

| | Total Cost | Total Miles | Total Ft | Cost/Mile | Cost/Ft |
|---------------------|------------------------|-------------|----------------|---------------------|-----------------|
| Builds 1-9 | \$ 5,061,367.44 | 51.1 | 269,808 | \$ 99,048.29 | \$ 18.76 |
| Builds 10-16 | \$ 4,531,729.07 | 46.8 | 247,104 | \$ 96,831.82 | \$ 18.34 |

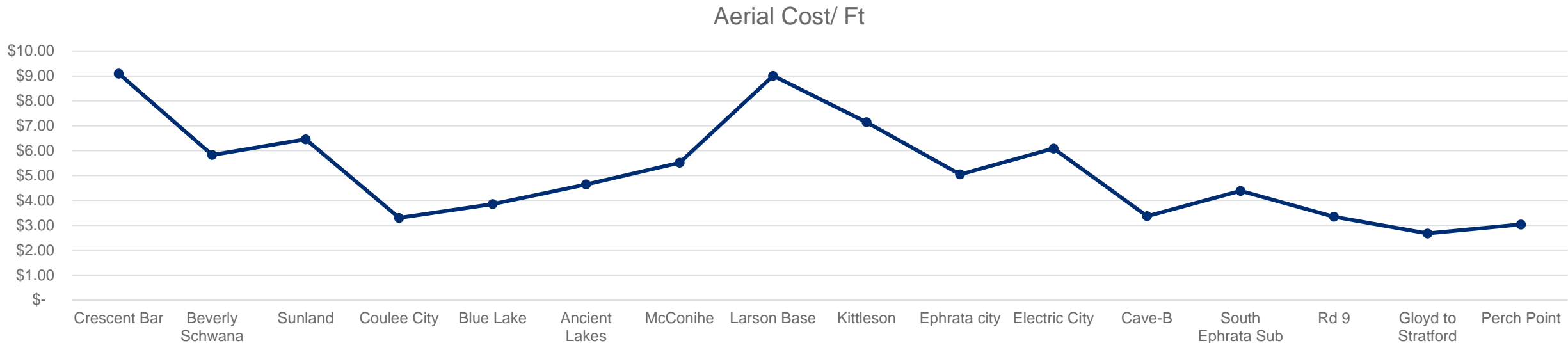
UG Cost/ Ft



Aerial cost by build area

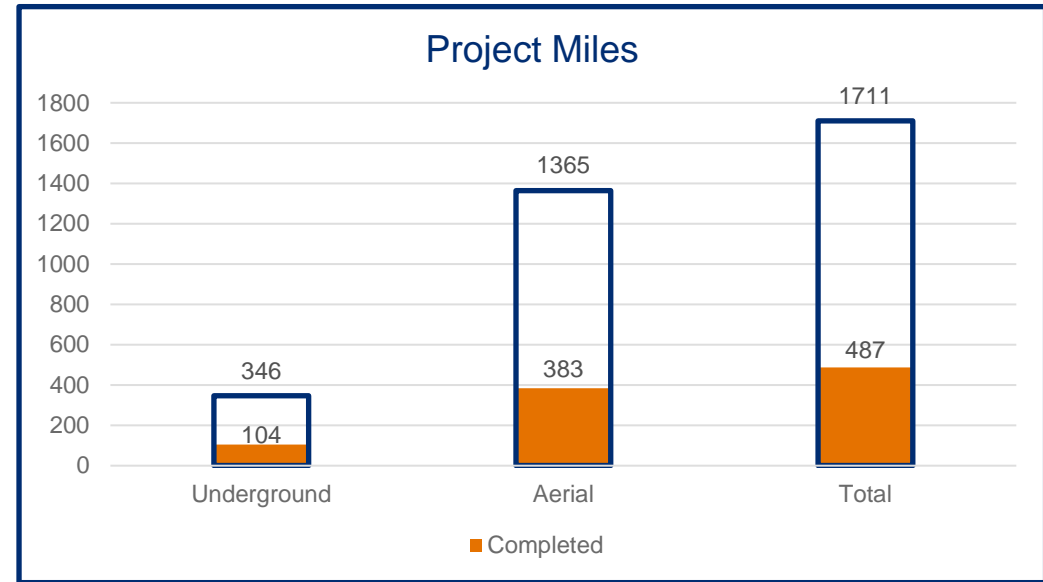
| Build | Total Cost | Total Miles | Total Ft | Cost/ Mile | Cost/ Ft |
|-----------------------|---------------|-------------|----------|--------------|----------|
| 1 Crescent Bar | \$ 153,704.97 | 3.2 | 16,896 | \$ 48,032.80 | \$ 9.10 |
| 2 Beverly Schwana | \$ 310,650.02 | 10.1 | 53,328 | \$ 30,757.43 | \$ 5.83 |
| 3 Sunland | \$ 156,787.77 | 4.6 | 24,288 | \$ 34,084.30 | \$ 6.46 |
| 4 Coulee City | \$ 447,377.40 | 25.7 | 135,696 | \$ 17,407.68 | \$ 3.30 |
| 5 Blue Lake | \$ 418,981.89 | 20.6 | 108,768 | \$ 20,338.93 | \$ 3.85 |
| 6 Ancient Lakes | \$ 796,577.48 | 32.5 | 171,600 | \$ 24,510.08 | \$ 4.64 |
| 7 McConihe | \$ 681,445.20 | 23.4 | 123,552 | \$ 29,121.59 | \$ 5.52 |
| 8 Larson Base | \$ 114,107.10 | 2.4 | 12,672 | \$ 47,544.63 | \$ 9.00 |
| 9 Kittleson | \$ 479,094.41 | 12.7 | 67,056 | \$ 37,723.97 | \$ 7.14 |
| 10 Ephrata city | \$ 335,580.36 | 12.6 | 66,528 | \$ 26,633.36 | \$ 5.04 |
| 11 Electric City | \$ 157,406.08 | 4.9 | 25,872 | \$ 32,123.69 | \$ 6.08 |
| 12 Cave-B* | \$ 527,822.50 | 29.7 | 156,816 | \$ 17,771.80 | \$ 3.37 |
| 13 South Ephrata Sub | \$ 722,410.75 | 31.2 | 164,736 | \$ 23,154.19 | \$ 4.39 |
| 14 Rd 9 | \$ 871,499.05 | 49.4 | 260,832 | \$ 17,641.68 | \$ 3.34 |
| 15 Gloyd to Stratford | \$ 471,175.06 | 33.4 | 176,352 | \$ 14,107.04 | \$ 2.67 |
| 16 Perch Point* | \$ 720,517.00 | 45.0 | 237,600 | \$ 16,011.49 | \$ 3.03 |

| | Total Cost | Total Miles | Total Ft | Cost/ Mile | Cost/ Ft |
|---------------------|------------------------|--------------|------------------|---------------------|----------------|
| Builds 1-9 | \$ 3,558,726.24 | 135.2 | 713,856 | \$ 26,321.94 | \$ 4.99 |
| Builds 10-16 | \$ 3,806,410.80 | 206.2 | 1,088,736 | \$ 18,459.80 | \$ 3.50 |

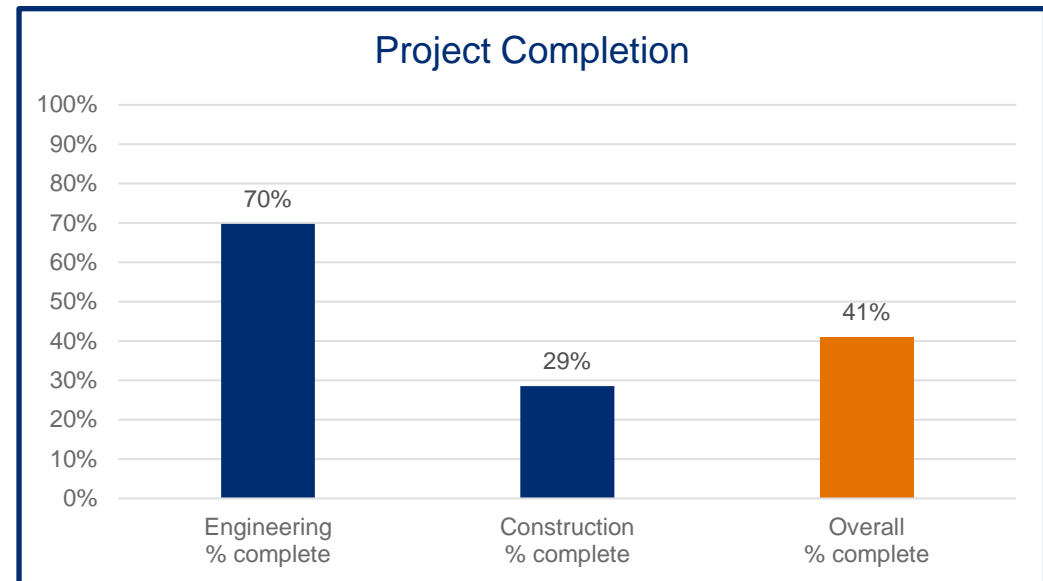


Original Miles vs Actual & Projected Miles

| Areas 1-20 | Original Miles | Actual Miles | Percent |
|--------------------|-----------------------|---------------------|----------------|
| Underground | 84 | 154 | 183% |
| Aerial | 600 | 530 | 88% |
| Total | 684 | 684 | 100% |



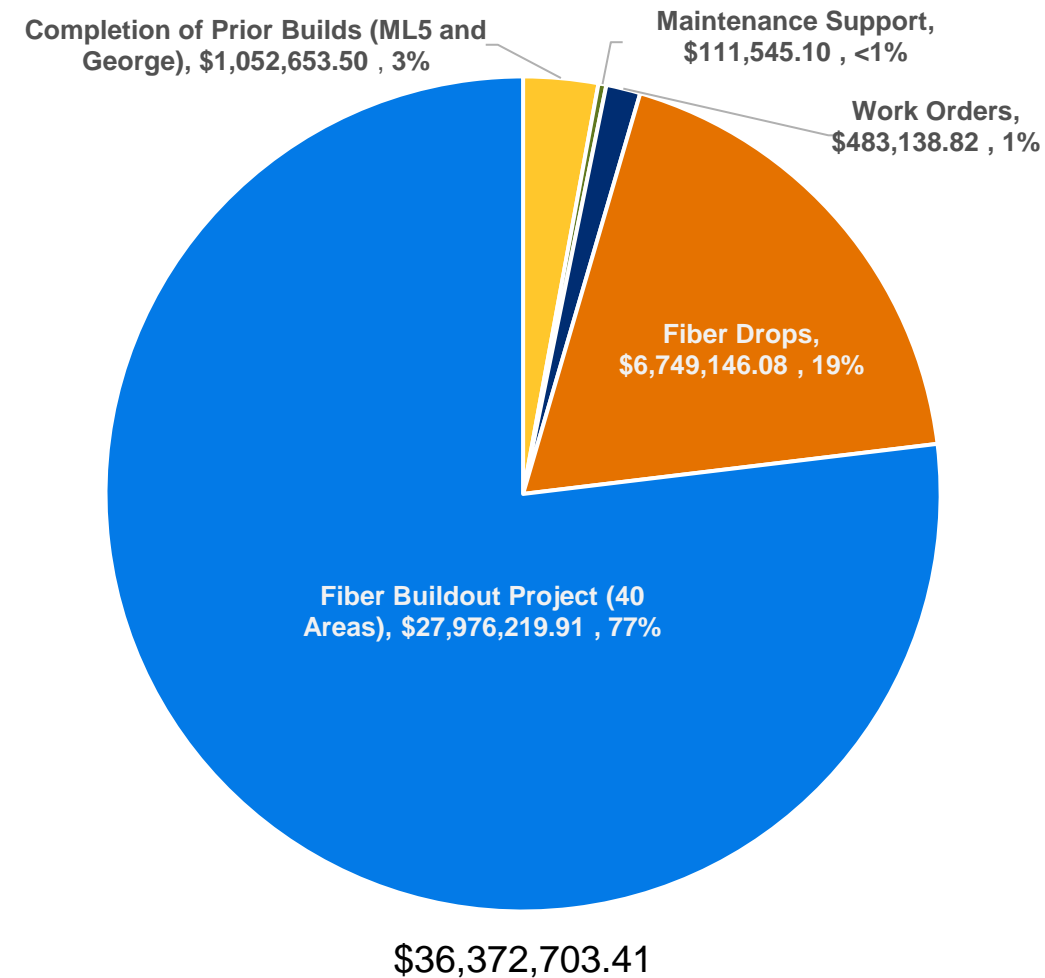
| Areas 21-40 | Original Miles | Projected Miles | Percent |
|--------------------|-----------------------|------------------------|----------------|
| Underground | 93 | 192 | 206% |
| Aerial | 807 | 835 | 103% |
| Total | 900 | 1027 | 114% |



Financial– North Sky Contract



| Item | 2019 Actuals | 2020 Actuals Through 12/31/2020 | 2021 Actuals Through 6/30/2021 |
|---|-----------------------|---------------------------------|--------------------------------|
| Completion of Prior Builds (ML5 and George) | \$1,052,653.50 | \$0.00 | \$0.00 |
| Maintenance Support | \$78,760.33 | \$0.00 | \$32,784.77 |
| Work Orders | | \$169,783.52 | \$313,355.30 |
| Fiber Drops | \$1,738,663.21 | \$2,754,500.54 | \$2,255,982.33 |
| Fiber Buildout Project (40 Areas) | \$7,045,870.26 | \$13,831,093.71 | \$7,099,255.94 |
| Annual Total | \$9,915,947.30 | \$16,755,377.77 | \$9,701,378.34 |



Questions Comments

Thank you for your time and support on this project.



Powering our way of life.

Q2 RETAIL LOAD AND REVENUE VARIANCE

Contributor:

Amanpreet Singh, Rates & Pricing

July 9, 2021



Powering our way of life.

Q2 Summary – Budget Forecast vs. Actual

| | | |
|------|----------------------------|------|
| Load | Budget Forecast Load (aMW) | 555 |
| | Actual Load (aMW) | 575 |
| | Load Variance (aMW) | 20 |
| | Load Variance % | 3.6% |






- Q2 Loads were **20 aMW**, or **3.6%**, above budgeted levels.
- Q2 Revenues were **\$2,707,199**, or **5.4%**, above budget, reflecting basic charges and demand charges, which are not as sensitive to changes in energy consumption (aMW).






| | | |
|---------|--------------------------------|--------------|
| Revenue | Budget Forecast Retail Revenue | \$50,041,768 |
| | Actual Retail Revenue | \$52,748,968 |
| | Retail Revenue Variance | \$2,707,199 |
| | Retail Revenue Variance % | 5.4% |






Rate Schedule Load Variances





Q2 Budget Forecast and Actuals Variance by Rate Schedule

| | 2021 Q2 Budget Forecast and Actual Loads (aMW) | | | |
|------------------------|--|------------|------------|-------------|
| | Forecast | Actual | Difference | Variance % |
| Residential (1) | 68 | 70 | 2 | 3.3% |
| Commercial (2) | 51 | 51 | 1 | 1.2% |
| Irrigation (3) | 77 | 80 | 3 | 3.4% |
| Streetlights (6) | 1 | 1 | (0) | -4.7% |
| Large General (7) | 31 | 51 | 19 | 60.9% |
| Industrial (14) | 35 | 26 | (9) | -25.5% |
| Industrial (15) | 240 | 231 | (9) | -3.7% |
| Ag Food (16) | 36 | 34 | (2) | -5.2% |
| Evolving Industry (17) | 1 | - | (1) | -100.0% |
| Ag Food-Boiler (85) | - | - | - | N/A |
| New Large Load (94) | 16 | 31 | 16 | 98.3% |
| Totals | 555 | 575 | 20 | 3.6% |

| Service | Rate | Icon | Description |
|-------------------------|------|---|--|
| Residential Service | 1 |  | Single family dwelling, individual apartment or farmhouse for single-phase service. |
| General Service | 2 |  | Accounts with loads not exceeding 500 kW (as measured by Billing Demand) for general service, commercial, multi-residential and miscellaneous outbuilding lighting, heating and power (excepting irrigation service) requirements. |
| General Service | 2F |  | Single-phase loads not exceeding 500 watts as determined from the equipment's UL listing. |
| Irrigation Service | 3 |  | Customers with irrigation, orchard temperature control or soil drainage loads not exceeding 2,500 horsepower and other miscellaneous power needs including lighting. |
| Street Lighting Service | 6 |  | Street lighting |

| Service | Rate | Icon | Description |
|------------------------------------|--------|--|--|
| Large General Service | 7 |  | Accounts with loads not less than 200 kW or more than 5,000 kW Billing Demand for general service lighting, heating and power requirements. Service will NOT be provided under this rate schedule to process heating or boiler service loads greater than 3,000 kW unless such loads were served on this rate schedule prior to January 1, 2001. |
| Rate 13 REC | 13 REC |  | Any retail customer with service in Rate Schedule Nos. 7, 14, 15, 16, or 85 who wishes to voluntarily purchase Renewable Energy Certificates (RECs). |
| Specified Source Purchase Schedule | 13SS |  | Any retail customer with service in Rate Schedule Nos. 7, 14, 15, 16, or 85 who wishes to voluntarily purchase Specified Source energy, where the source is known and the carbon emission factor is zero. |
| Industrial Service | 14 |  | Industrial customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA |
| Large Industrial Service | 15 |  | Industrial customers whose Billing Demand is greater than or equal to 15 MW/MVA |

| Service | Rate | Icon | Description |
|--|------|---|---|
| Alternative Energy | 13 |  | All metered retail customers within the District’s retail service territory who wish to purchase Alternative Energy Resources. |
| AG Food Processing Service | 16 |  | Customers whose Billing Demand is greater than 5 MW/MVA and less than 15 MW/MVA at plants where the primary purpose is processing, canning, freezing or the frozen storage of agricultural food crops (including livestock, poultry and fish) |
| Evolving Industry | 17 |  | Retail customers whose energy load activity and/or industry meets the requirements of the Evolving Industry definition as detailed in the rate document. |
| Wholesale Transmission Delivery - Large Load | 30 |  | Available to eligible transmission customers delivering power to a Grant PUD point of receipt for service to 115kV and 13.2 kV and voltages below 13.2 kV as determined by Grant PUD. |
| Wholesale Transmission Delivery - Small Load | 31 |  | Available to eligible transmission customers delivering power to a Grant PUD point of receipt for service to Small Load Customers. |

| Service | Rate | Icon | Description |
|-----------------------------------|------|--|--|
| AG Food Processing Boiler Service | 85 |  | Electric boilers which are separately metered and are primarily used for the purpose of processing, canning, or freezing agricultural food crops (including livestock, poultry and fish) |
| New Large Load | 94 |  | All New Large Loads, as defined by the District's Customer Service Policies. Service to such loads will be in accordance with the terms of this rate schedule. |
| Fiber Optic Service Dark Fiber | 120 |  | Qualified customers who have entered into an approved Telecommunications Facilities License Agreement with the District. |
| Fiber Optic Network Service | 100 |  | Wholesale High Speed Network Services |

Q2 Rate Schedule Differences (1 of 9)

Q2 Residential (RS 1) actual loads were **70 aMW, 3.3% higher** than budget forecast.

- Hotter weather conditions led to Residential load being higher than it would have been given normal weather conditions.
- Adjusted for the weather, actual load was **63 aMW**, Residential loads are **7.5% lower** than the budget forecast.



Q2 Rate Schedule Differences (2 of 9)

Q2 **General Service / Commercial (RS 2)** actual loads were **51 aMW, 1.2% above** budget forecast.

- Hotter weather conditions led to Commercial load being higher than it would have been given normal weather conditions.
- The weather-normalized Commercial actual load is **49 aMW, 4.8% lower** than the budget forecast.
- The May 2021 unemployment rate was **6.3%, or 40.6% lower** than in May 2020, which was **10.6%**. In February 2021, unemployment was **8.2%**.
 - Note: the unemployment figures are subject to revision on the website.



Q2 Rate Schedule Differences (3 of 9)

Q2 Irrigation (RS 3) actual loads were **80 aMW, 3.4% above** budget.

- Higher average wind, and lower precipitation led Irrigation load being higher than it would have been given normal weather conditions.
- The weather-normalized Irrigation actual load is **73 aMW, 7.4% lower** than the budget forecast.
- Once we start incorporating AMI data for the forecasts and reports we should start seeing the variances we see in Irrigation decrease.



Q2 Rate Schedule Differences (4 of 9)

Q2 Large General (RS 7) actual loads were **51 aMW, 60.9% above** budget forecast.

- Large commercial growth is largely attributable to increased Cryptocurrency mining, and two Rate Schedule 14 loads that transferred into Rate Schedule 7.



Q2 Rate Schedule Differences (5 of 9)

Q2 Industrial (RS 14) actual loads were **26 aMW, 25.5% below** budget forecast.

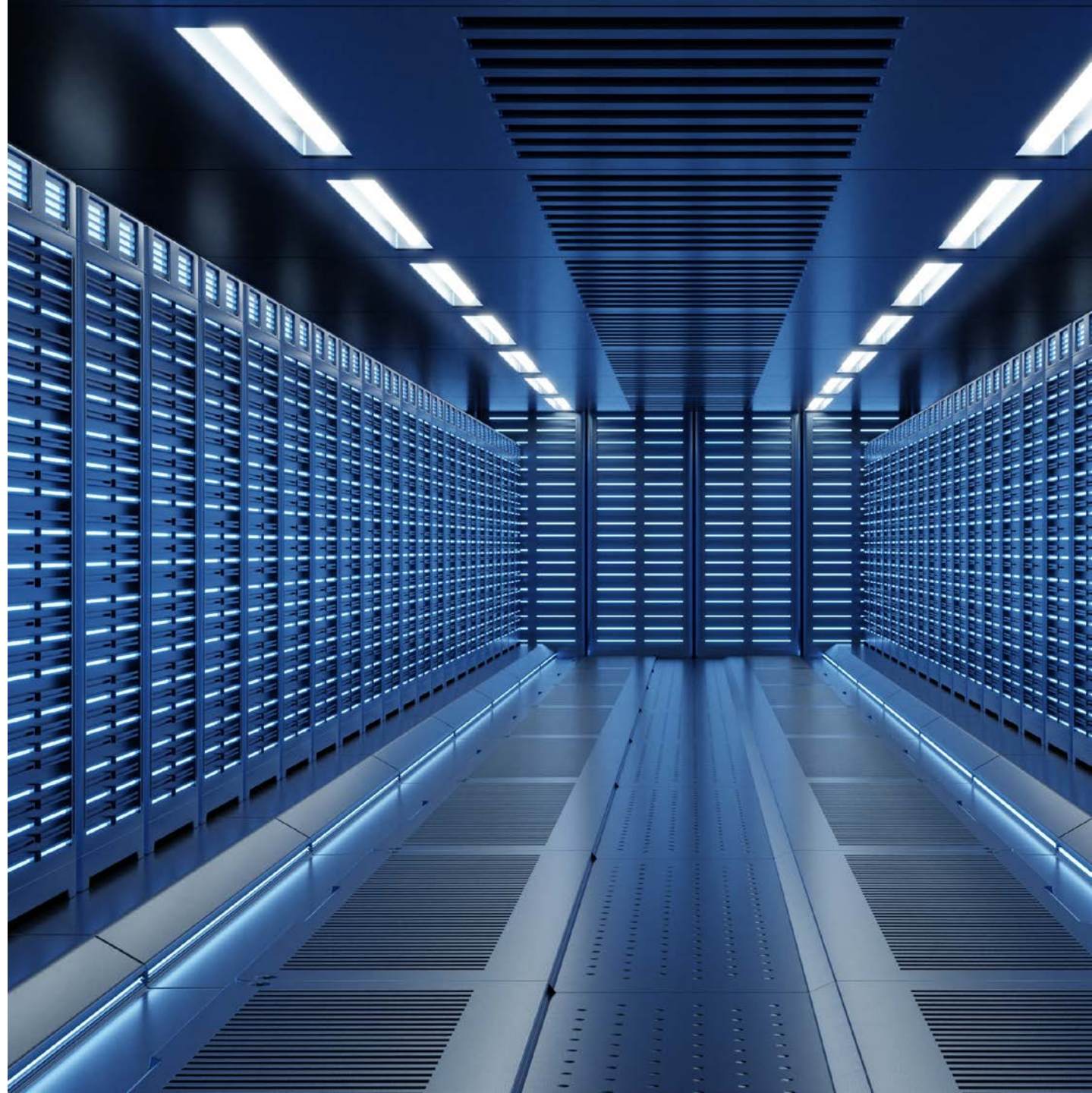
- The budget deviation arose from two accounts contracting and exiting to Rate Schedule 7, and a few accounts experiencing load contractions.



Q2 Rate Schedule Differences (6 of 9)

Q2 Large Industrial (RS 15) actual loads were **231 aMW, -3.7% below** budget forecast.

- One customer reduced load by a large amount due to supply chain disruptions and is contributing to the variance. Other customers are growing or relatively flat.



Q2 Rate Schedule Differences (7 of 9)

Q2 Ag Food Processors (RS 16) actual loads were 34 aMW, 5.2% below budget forecast.

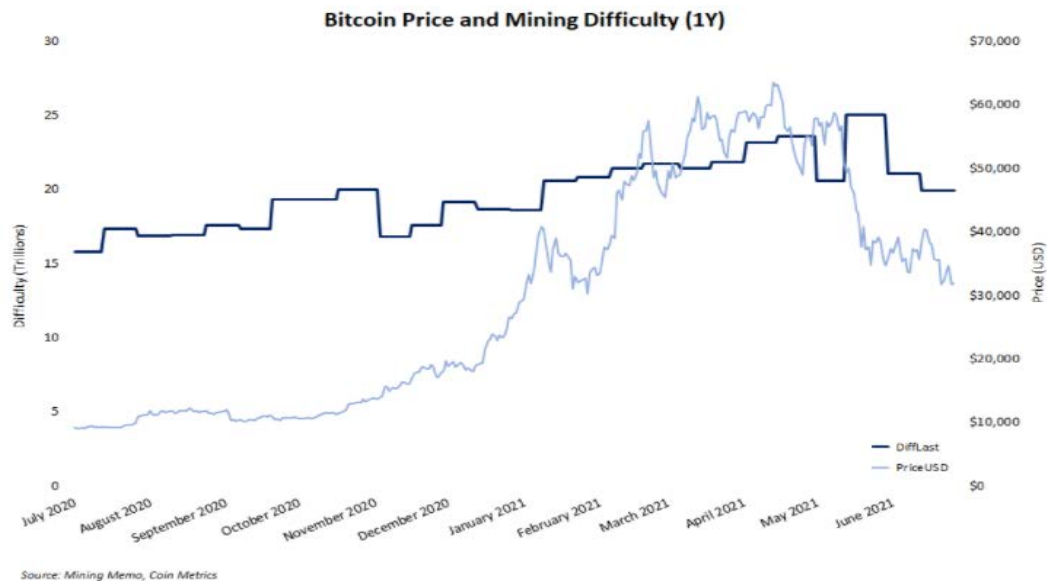
- An agriculture processing customer that had a facility incident did not have load in Q2.



Q2 Rate Schedule Differences (8 of 9)

Q2 Evolving Industry (RS 17) actual loads were **0 aMW**

- The price of Bitcoin is falling, but so is the difficulty.
- Due to the crackdown in China, we have seen the largest drop in difficulty for miners. If the price can stabilize and increase this will increase profits for the miners that are still operational in the short run.



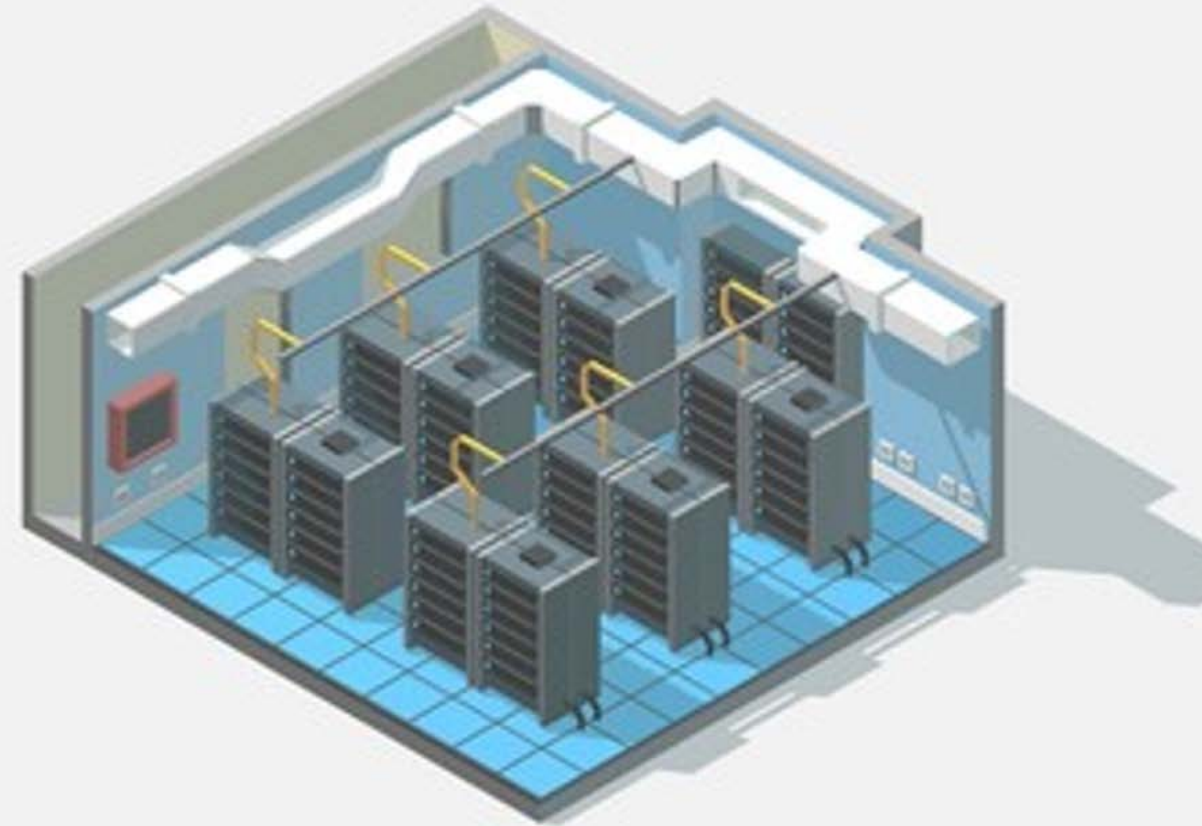
Staff will continue to monitor evolving industry loads



Q2 Rate Schedule Differences (9 of 9)

Q2 New Large Load (RS 94) actuals were **31 aMW, 98.3% above** budget forecast.

- Growth in New Large Loads is arising from one customer growing faster than forecast.



Takeaways



Residential, Commercial, and Irrigation loads are 7.5%, 4.8%, and 7.4% **below budget** on a weather adjusted basis.



Net Rate Schedule 7, 14, 15, 16, 85, & 94 actual loads are **above the budget** forecast by around 15 aMW; with Rate Schedule 7 and 94 driving that increase.



Evolving Industry (Rate Schedule 17) customers were moved to the appropriate class starting March 2021. Staff will continue to monitor evolving industry loads.

Thank You



Powering our way of life.

Power Delivery

Q2 2021 Business Report

July 27th 2021



Grant County
PUBLIC UTILITY DISTRICT

Outline

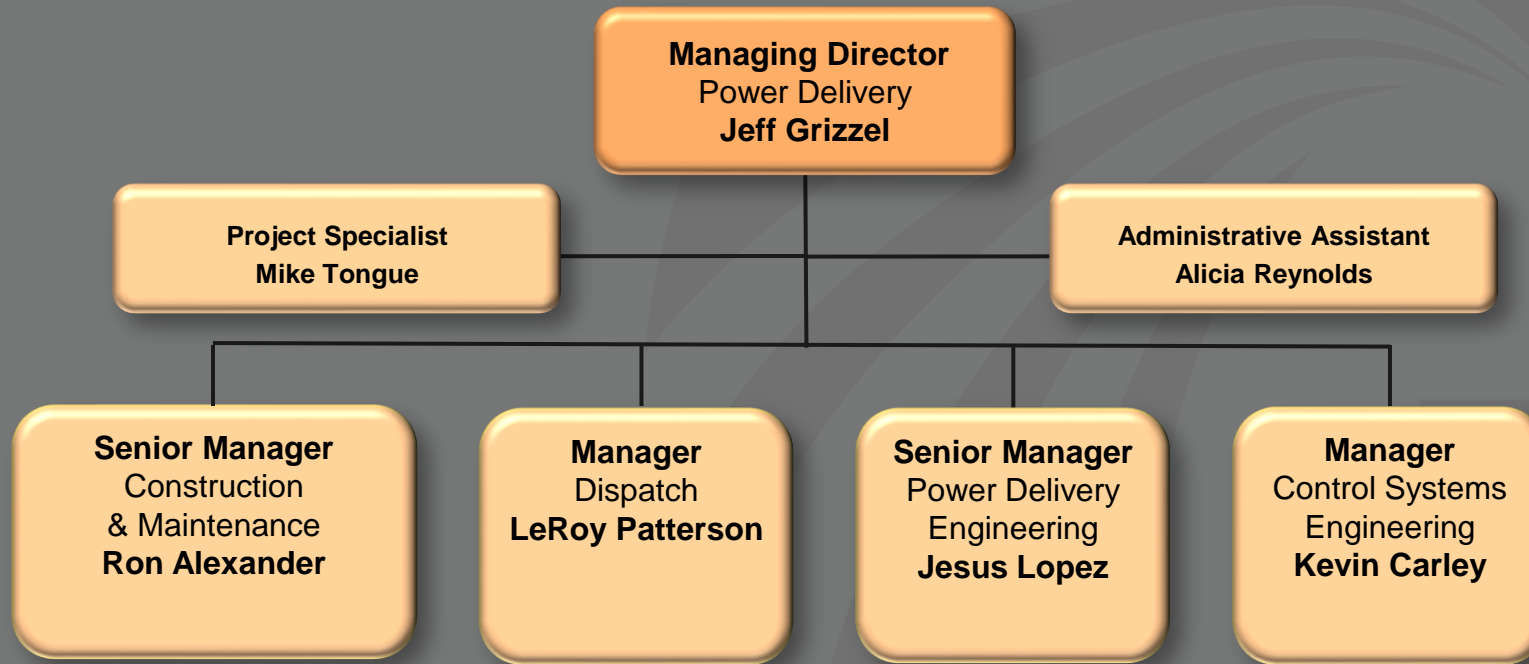
- Power Delivery Purpose & Goal
- Power Delivery Leadership
- Q2 2021 Safety & Operational Performance
- Q2 2021 Financials
- Q2 Project Highlights

Purpose & Goal

Purpose: Provide our customers with safe, reliable electric and communication services by effectively planning, designing, constructing, maintaining and operating our transmission, substation, distribution, and fiber assets and their associated control systems.

Goal: Achieve our purpose while championing a culture of safety and operational excellence with continual focus on our values of safety, innovation, service, teamwork, respect, integrity and heritage.

Structure and Personnel



- Line Department
- Electric Shop
- Meter/Relay Shop
- Fiber & Electronics

- Dispatch

- Systems Planning & Standards
- Transmission, Substation & Automation
- Customer & Distribution Engineering

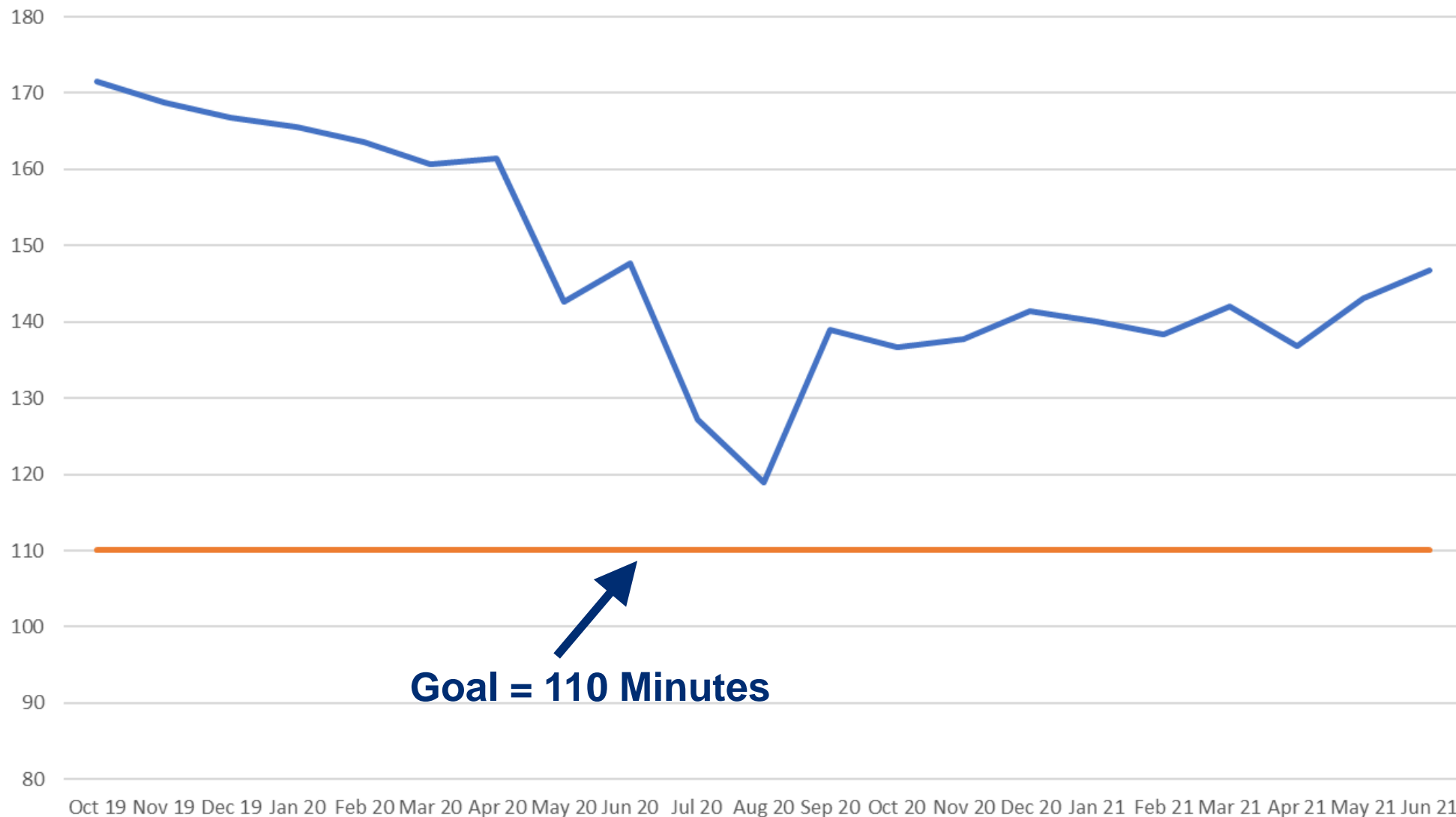
- Control Systems

Q2 2021 Safety Performance

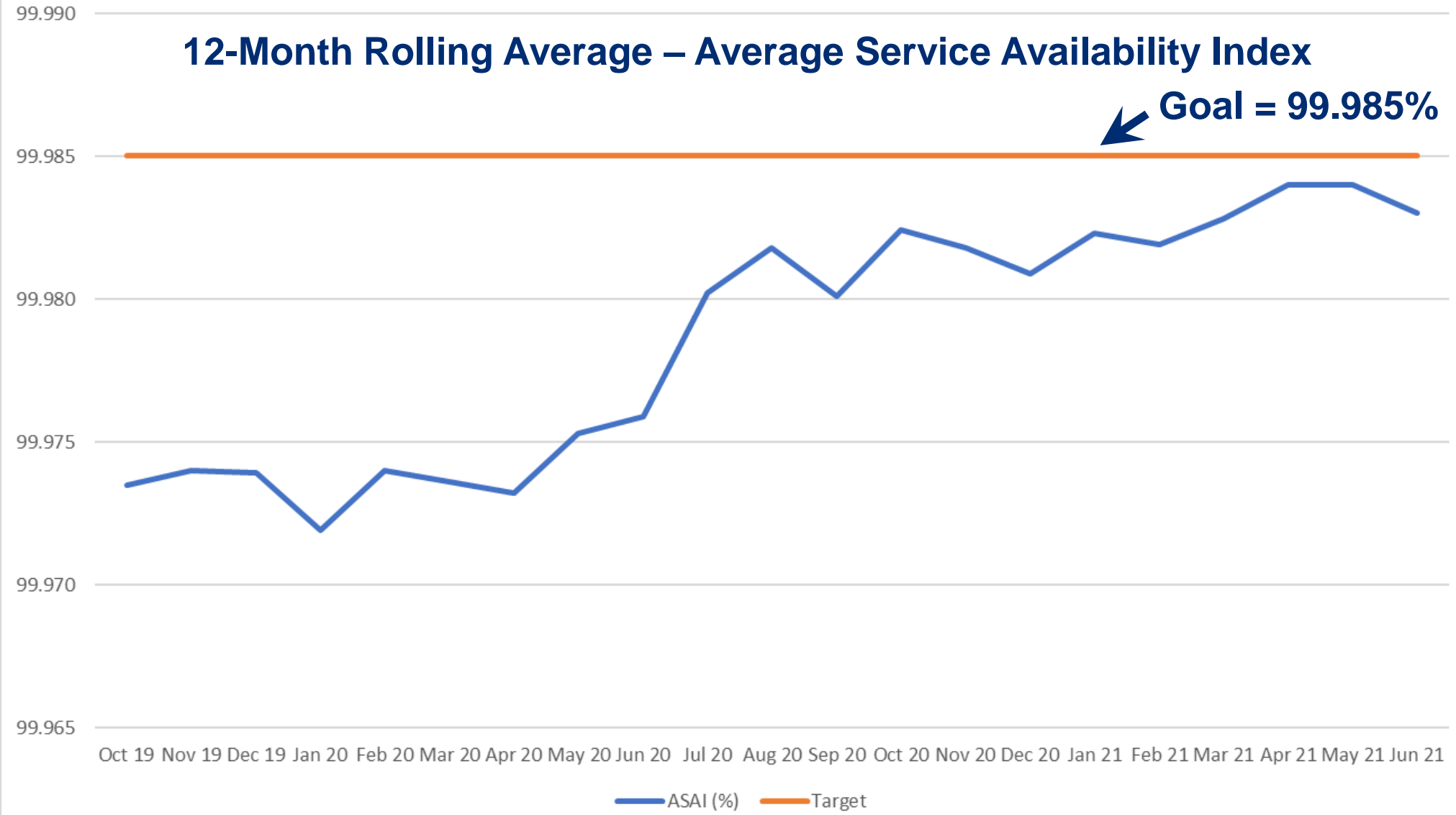
| | April | May | June | Total |
|-----------------------|-------|-----|------|-------|
| Injuries | 0 | 0 | 0 | 0 |
| Recordable Injuries | 0 | 0 | 0 | 0 |
| Vehicle Incidents | 2 | 0 | 2 | 4 |
| Close Calls Reported | 1 | 2 | 5 | 8 |
| Safety Mtg Attendance | 93% | 91% | 92% | 92% |

Operational Performance - CAIDI

12-Month Rolling Average – Customer Average Interruption Duration Index

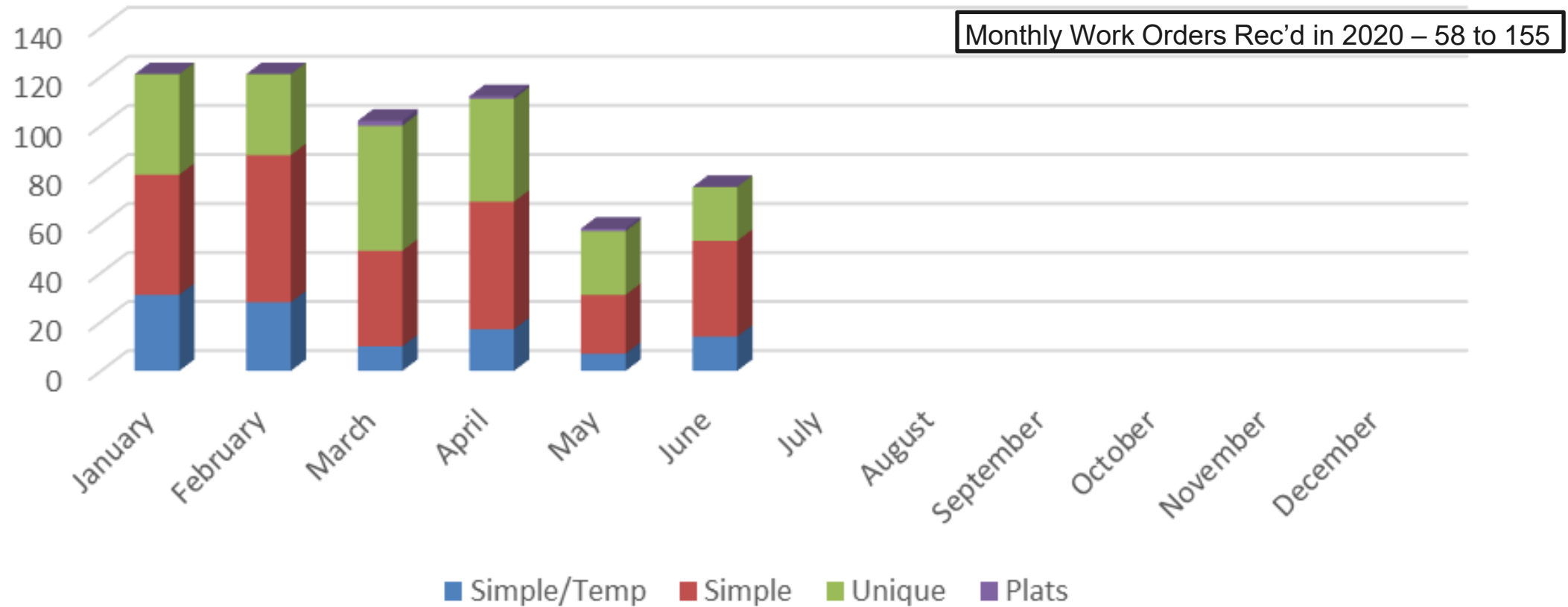


Operational Performance - ASAI



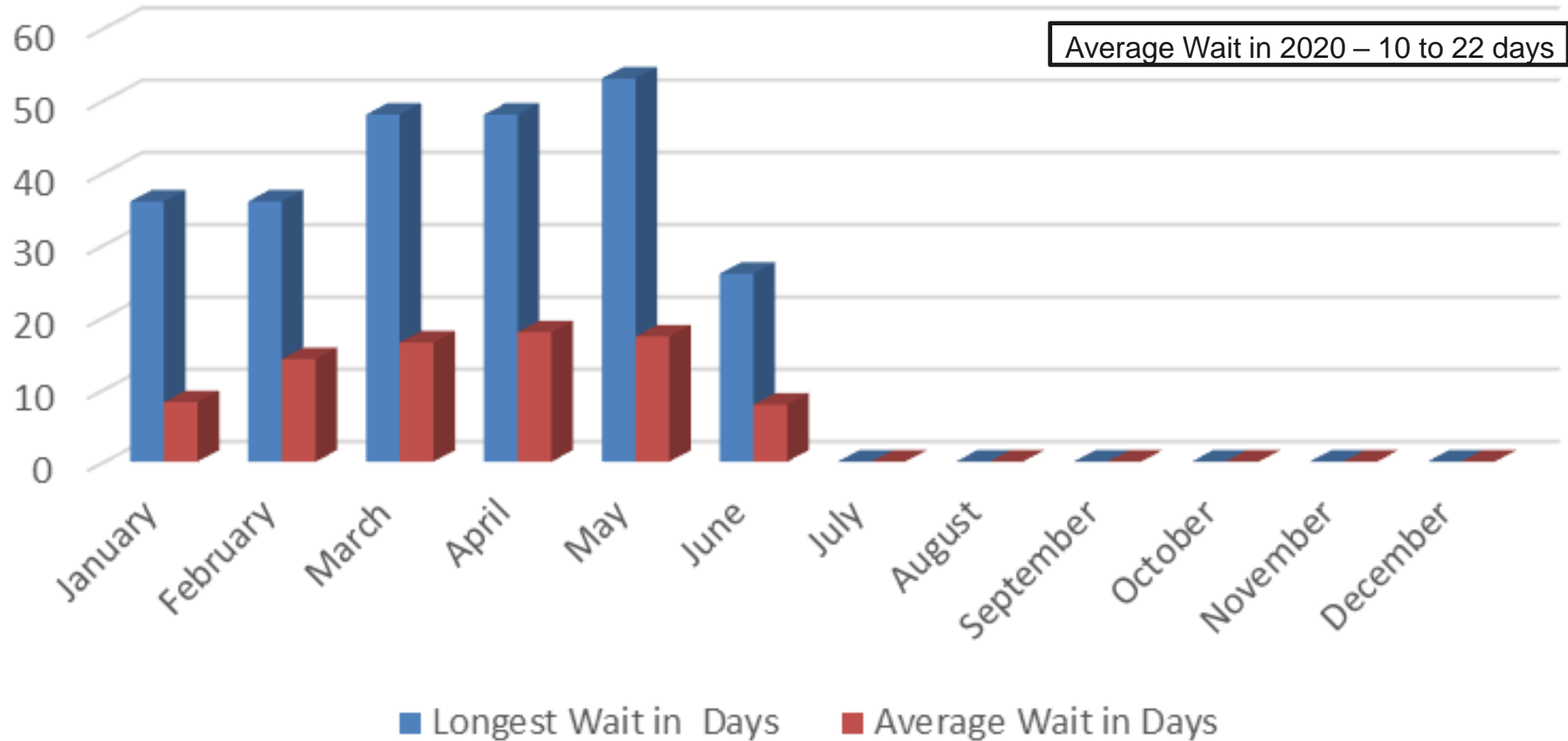
Operational Performance – 2021 Work Orders Rec'd

WORK ORDER TYPES



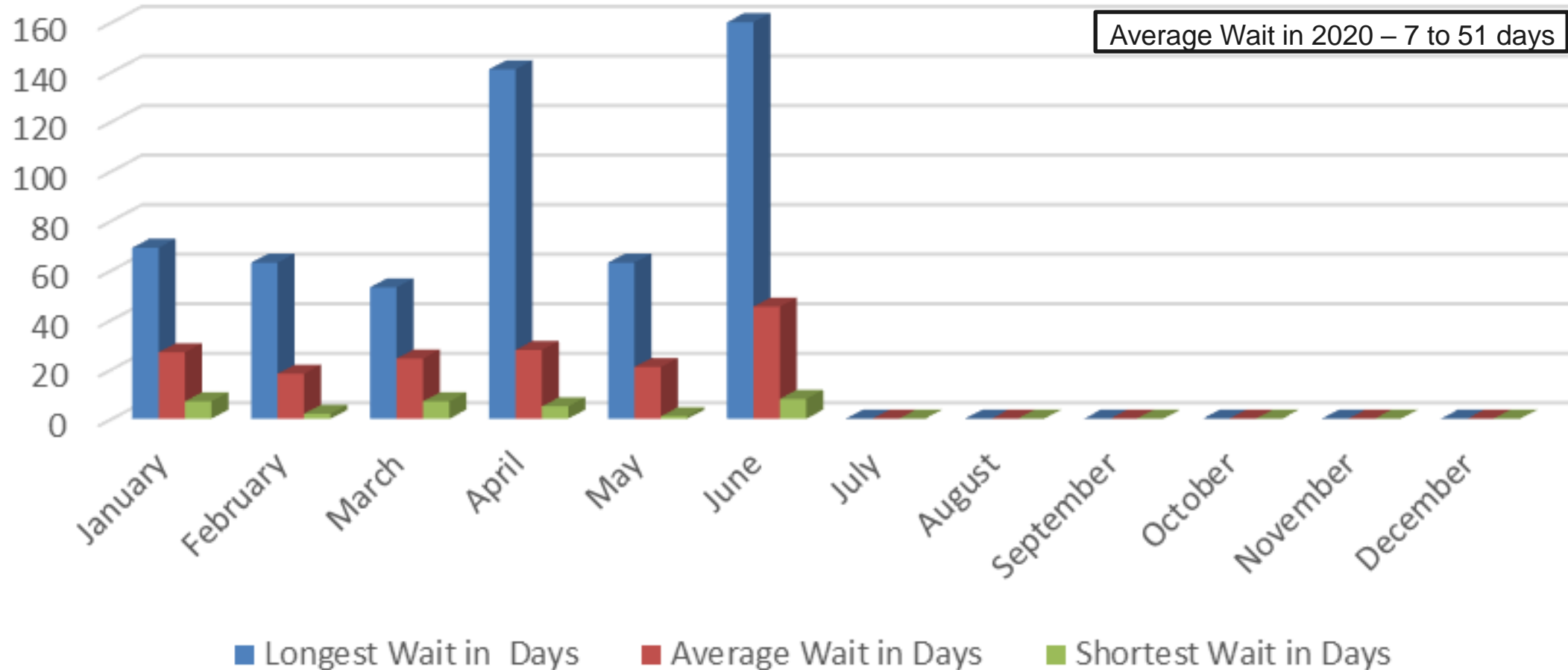
Operational Performance – Design Backlog

BACKLOG IN DAYS



Operational Performance – Construction Backlog

BACKLOG IN DAYS



Q2 2021 Financials – Capital BvA

Budget vs Actuals (Capital Directs)

| Cost Center | CY Budget | CY Approved Spend | CY Actuals | BOY Fx | CY YEP |
|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| EC1000 | \$650,000 | \$1,602,559 | \$207,273 | \$1,175,659 | \$1,382,932 |
| EC4100 | \$52,251,146 | \$71,646,562 | \$17,885,436 | \$31,949,973 | \$49,835,409 |
| Total | \$52,901,146 | \$73,249,121 | \$18,092,709 | \$33,125,632 | \$51,218,341 |

Q2 2021 Financials – O&M BvA



O&M Budget Versus Actuals

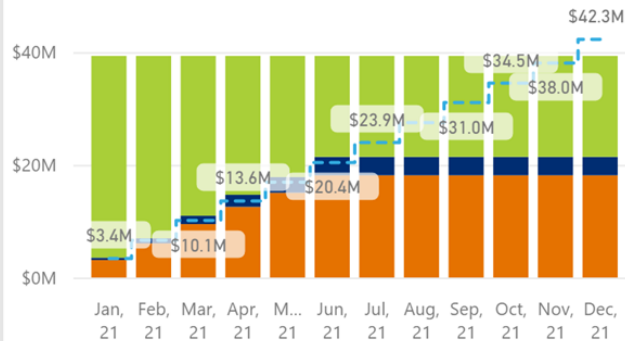
EC - Power Delivery QBR Year-to-Date June, 2021

Operating Unit

EC - Power Delivery

Capital Labor & Net Actuals YTD Vs. Year-End-Projections

● Net Actuals ● Capital Labor ● YEP Remaining ● Budget YTD



Gross Actuals Vs. Budget

\$21.4M +4.9%



Capital Labor Actuals Vs. Budget

\$3.3M -13.3%



Net Actuals Vs. Budget

\$18.1M +9.1%



O&M Budget vs Actuals (Including Cap Labor)

| Cost Category Type/Cost Category | Budgeted | Actuals | Budget Var | Budget Var % | Consumed % |
|--|---------------------|---------------------|--------------------|---------------|---------------|
| Labor | \$17,206,200 | \$17,678,390 | \$472,189 | 2.7% | 102.7% |
| Salaries & Wages | \$9,545,964 | \$8,869,462 | -\$676,502 | -7.1% | 92.9% |
| Benefits | \$5,760,850 | \$6,212,401 | \$451,550 | 7.8% | 107.8% |
| Overtime | \$1,782,606 | \$2,427,183 | \$644,577 | 36.2% | 136.2% |
| Other Labor | \$116,780 | \$169,344 | \$52,564 | 45.0% | 145.0% |
| Operating Materials & Equipment | \$1,640,765 | \$2,113,448 | \$472,683 | 28.8% | 128.8% |
| Purchased Services | \$1,264,109 | \$1,353,182 | \$89,074 | 7.0% | 107.0% |
| G&A | \$219,463 | \$63,401 | -\$156,062 | -71.1% | 28.9% |
| IT | \$64,852 | \$163,710 | \$98,858 | 152.4% | 252.4% |
| Utilities | \$2,496 | \$5,154 | \$2,658 | 106.5% | 206.5% |
| Risk | | \$10,822 | | | |
| Transportation | | \$17,949 | | | |
| Total | \$20,397,885 | \$21,406,056 | \$1,008,171 | 4.9% | 104.9% |

- Capital Labor is a subset of the Labor above

- Net Actuals vs Budget = Gross Actuals minus Capital Labor

Q2 2021 Highlights

- Electric System Expansion & Improvement
 - **DB2** – Mt. View Mobile Subs & Quincy Plains complete
 - **QTEP** – Monument Hill Switchyard property purchase complete
 - **10-Year System Improvement Plan** – developing project proposals for 6 worst-performing substations & associated distribution feeders
- Advances in Technology
 - **GEN2** – go-live expected May 2022
 - **Clevest** – target go-live to coincide with GEN2 go-live
 - **Energy Management System (EMS) Upgrade** – in vendor selection phase

Q2 2021 Highlights

- Program Development

- **Asset Management** – establishing formal program in C&M
- **GIS** – dedicated GIS analysts in Engineering to support all of PD

- Human Resource Challenges & Development

- **Recruitment Challenges**

- ▶ Professional positions – PD Engineering & Control Systems
- ▶ Craft positions – Construction & Maintenance

- **Enhancing Apprenticeships**

- ▶ Power System Electricians

- **Building Defense-in-Depth**

- ▶ Improved Training



Grant County
PUBLIC UTILITY DISTRICT