

Fiber and Telecom Public Power Benefit

Follow up to August 15, 2022 Presentation

April 3, 2023

Board Feedback Requested

Why We Are Here

- Original Strategic Plan expectations
- Update of activities since August
- Staff analysis
- Impacts of growth
- Program recommendation

Strategic Plan Expectations

- \$25M to increase fiber access by 9,256 additional premises
- Resulted in reaching 85-90% of county
 - Remaining 10-15% of the county under alternative solutions
- Completion by end of 2026, continuing into 2027 for remaining customer connections
 - Fiber Expansion Acceleration on track for completion by end of 2024
 - Added \$2M for project management
- Provided to our customer-owners at no additional cost

Staff Analysis Since August

Team of Teams approach was used to gain clarity on the challenges and focus on results

- Expanded effort across functional team from Geographic Information System (GIS), Engineering and Project Management (EPM), and Customer Utilities (CU)
- Extensive review of addresses, metrics and targets
- Review of resource requirements
- Established base line metrics and common goal within the team

Staff Analysis Since August

Applied to help us understand what we need to consider going forward

- Reviewed resource utilization
 - Internal vs external labor consideration
- Developed recommendation
 - Reached consensus on scope, schedule and budget

We are on track to meet the 85% goal by the end of 2026 and at the budget provided!

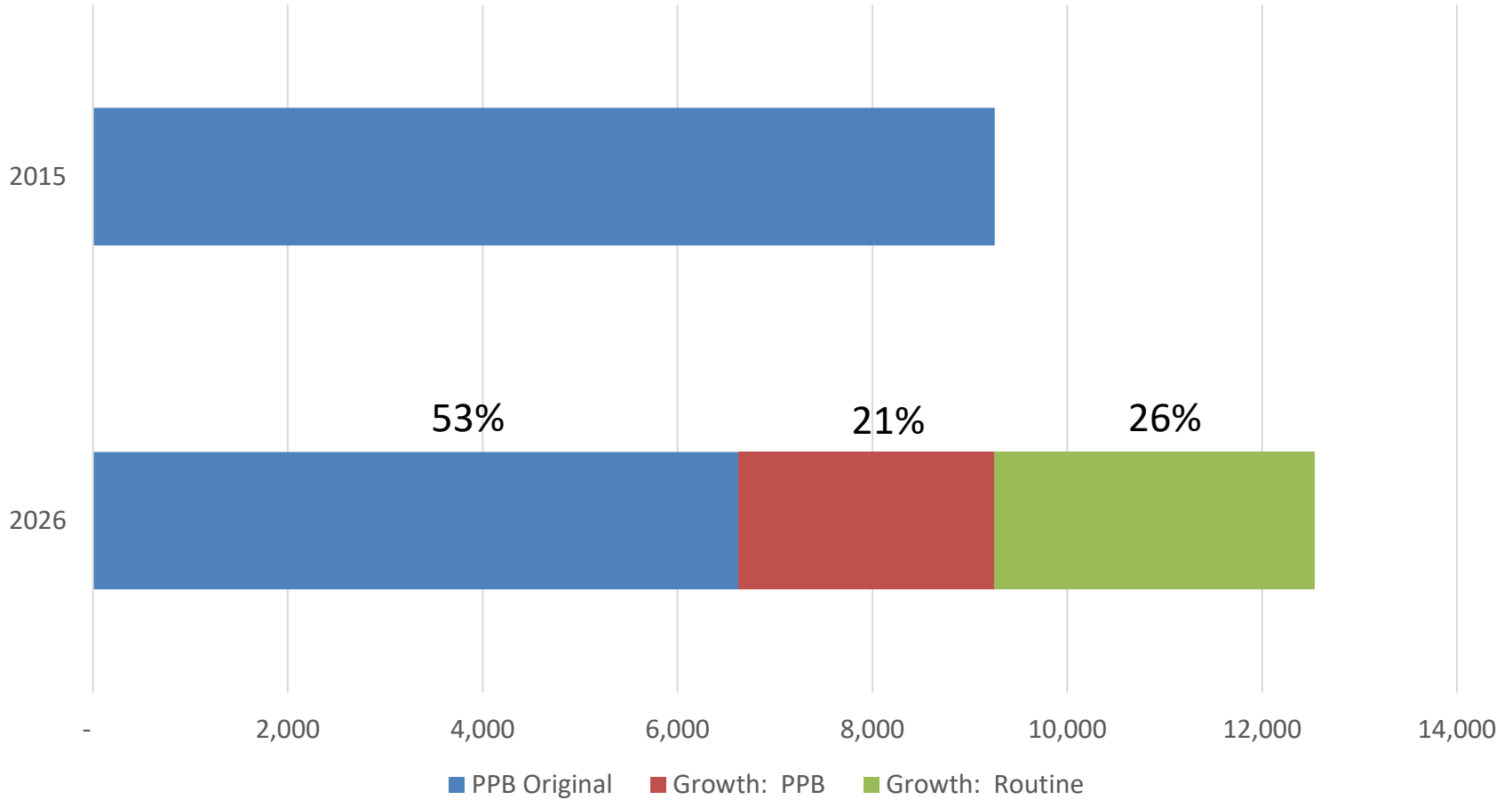
County Growth Impact

- County Growth to date far exceeds our expectations
 - New large multi-dwelling (MDUs) and residential subdivisions are being constructed throughout the county
 - These premises are included as part of meeting the county coverage target
 - We now include these as part of the Fiber PPB program

System Premises Passed

	Achieved	Forecast	Total
Original Scope (Expansion & Infill)	4,210	2,413	6,623
Growth: Large Subdivisions/MDUs	1,321	1,312	2,633
Subtotal: PPB Funded Premises	5,531	3,725	9,256
Growth: Routine	2,241	1,044	3,285
Total	7,772	4,769	12,541

County Growth Impact Comparison



Recommendation: Achieve Original PPB Scope and Define Goal for Finalization

- Continue to utilize Customer Utilities process for growth and infill
- Utilize Engineering and Project Management and Customer Utilities partnership for expansion areas
- Develop plans for Fiber expansion finalization
 - Include updated mapping for current state
 - Define goal for finalization
 - Develop overall scope, schedule, resources and budget
 - Return to Board with a progress report this Fall

Known Unknowns

- Supply chain (materials)
- Scope complexity
- Inflation
- Easement acquisitions
- Contractor availability
- Competing priorities: new substations, reliability improvements, wildfire operating practices, Advanced Meter Infrastructure (AMI), etc.

Key Takeaways

- On track
- Recognize value of fiber to the community
- Appreciate the clear support from the Board
- Time to develop goal for finalization