LONG RANGE TECHNOLOGY PLAN

Overview for Broadband System

(Fiber to the Home)

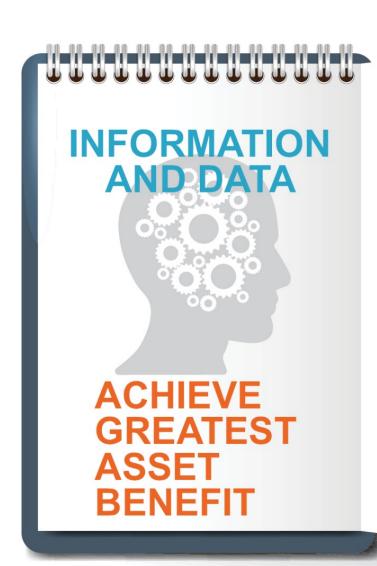
Informational No Action Required Today



Why are we here today?

- What is a Long Range Technology Plan (LRTP)?
- Why do we need a LRTP?
- What does an LRTP look like?
- Practical examples in use
- Results and Conclusion

What is a Long Range Technology Plan (LRTP)?





Forward looking assessment

Short (1-2 years), mid (3-5 years), and long-term (5+ years) views



Adaptive and changing set of documents

Identifies technology trends that impact our ability to meet financial and operational expectations



Agnostic perspective

Not exclusively reliant on any one technology, manufacturer, product, or solution

Why do we need a LRTP?

- Make informed decisions
- Identify disruptive and augmenting technologies
- To plan for system upgrades and replacements
- Achieve optimal asset benefit
- Increase operational efficiencies

What does an LRTP look like?

- It is a repository of information
- It documents how we will fulfill our mission and achieve our goals in the near, mid, and long-term future
- It provides a decision framework
- It's outputs feed into our asset management program, our forecasting, and our budgeting processes
- It encompasses all tools available for network management

Some practical examples

- Applied to Disruptive or Alternative broadband solutions
 - Wireless proof of concept
- Identified cost effective upgrades to manage bandwidth demand
 - Optical Line Termination (OLT) shelves
 - Network core consolidation
- Increased operational efficiencies in Outside Plant Solutions
 - Power pole attachment optical analyzer



Results

- No disruptive Wireless Broadband technologies identified
- Implemented cost effective bandwidth-demand solutions using technologies over our existing infrastructure
- New opportunities to improve efficiency through technology

Conclusion

- A Long Range Technology Plan:
 - Allows the assessment of "what if's" before they become "must do's"
 - Provides the basis for achieving the best asset value

