

# LONG RANGE TECHNOLOGY PLAN

Overview for  
Broadband System  
(Fiber to the Home)

Informational  
No Action Required Today



CHELAN COUNTY

# 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 (L RTP)?



# 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<sup>5</sup>



# 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



# QUESTIONS?

