CUSTOMER UTILITIES
PRIORITY ANALYSIS

Project Name

~~Boyd Road Substation~~ North Shore Chelan Sub

Project Type

Replacement

Primary Work Order #

302921

System Engineer

Jack Nieborsky

Project Manager

John Goodwill

Design Lead

Tom Kelly

Distribution Manager Approval

Signature 8/27/13 Date

Priority Metrics

- **Efficiency: Will the project increase system efficiency?**

  If yes, provide justification.

  N/A

- **Reliability: Will the project increase system reliability?**

  If yes, provide justification.

  Increased reliability by reducing the lenth of line and number of protective devices between the source and load.

- **Compatibility: Will the project increase system compatibility?**

  If yes, provide justification.

  N/A

- **Versatility: Will the project increase system versatility?**

  If yes, provide justification.

  Increased versatitity with switching options for substations and feeders.

- **Maintainability: Will the project increase system maintainability?**

  If yes, provide justification.

  Increased maintainability for offloading adjacent stations.

- **Quality: Will the project increase system quality?**

  If yes, provide justification.

  Power delivery quality increased by reduced outage numbers and outage time . Shorter feeders with less customer load.

- **Service Life: Will the project increase system service life?**

  If yes, provide justification.

  Service life increased by reducing stress on existing infrastructure.

- **Capacity: Will the project increase system capacity?**

  If yes, provide justification.

  The new station will increase the capacity in this area to accommodate new customer load.

- **Risk: Will the project reduce system risk?**

  If yes, provide justification.

  This station reduces the risk of the new customer load overloading the existing feeders and equipment.

- **Compliance: Will the project ensure system compliance?**

  If yes, provide justification.

  This project will ensure voltage levels stay within required voltage ranges.

- **Customer Demand: Will the project meet customer demand?**

  If yes, provide justification.

  Customer demand exists with growth potential in this area.

- **Safety: Will the project promote system safety?**

  If yes, provide justification.

  This project will reduce safety risks of overloaded power systems.

- **Security: Will the project increase system security?**

  If yes, provide justification.

  N/A

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Priority Matrix

Project Priorities	Priority Multiplier	Yes	No	Priority Level		
				3	2	1
Efficiency	1	☐	☒	☐	☐	☒
Reliability	2	☒	☐	☒	☐	☐
Compatibility	1	☐	☒	☐	☐	☐
Versatility	1	☒	☐	☒	☐	☐
Maintainability	1	☒	☐	☒	☐	☐
Quality	2	☒	☐	☒	☐	☐
Service Life	2	☒	☐	☐	☒	☐
Capacity	2	☒	☐	☒	☐	☐
Risks	3	☒	☐	☒	☐	☐
Compliance	3	☒	☐	☐	☐	☒
Customer Demand	1	☒	☐	☐	☐	☒
Safety	3	☒	☐	☐	☐	☒
Security	3	☐	☒	☐	☐	☐
Sum				33	4	8
Priority Score (out of 75)				45		

Note: Priority level is High (3 points), Medium (2 points), and Low (1 point)

North Shore Chelan Sub (Priority Analysis)