

# Spences Bridge Community Water System

April 2008



Thompson-Nicola Regional District



## Meeting Agenda

- Introductions.....Director Tait
- History.....Peter Hughes
- Feasibility Study..... Keith Bepple (Gentec)
- Options/Costs.....Peter Hughes/Sukh Gill
- Next Steps.....Peter Hughes
- Questions..... Director Tait

## History

- Approached by SBID in 2004?
- In 2005 Applied for BCCWIP grant
- Petition in 2006 to have TNRD takeover management and responsibility for the system
- April 1, 2007

## Regulatory Authority

- Drinking Water Protection Act & Regulation
- Health Regions – Interior Health
- Drinking Water Officers
- Conditions of Permit for each system

## Conditions of Permit

- Certified Operator ✓
- Water System Monitoring & Sampling Program ✓
- Emergency Response Plans ✓
- Cross-Connection Control Program ✓
- Long-Term Plans for Treatment, Source and Distribution Improvements
- Source Protection Planning
- Annual & Monthly Reports to IH ✓

## Grant

- BCCWIP Grant \$777,333
- Project estimate \$1,166,000
- Have assent to borrow public 1/3<sup>rd</sup>
  - (\$400,000)
- System improvements:
  - Well source, Bridge crossing, distribution, reservoir

## Challenges

- Water Quality in Murray Creek



## Joint Community System?

- Discussions with INAC, Cooks Ferry Band to look at possibility of a joint water system to service the entire Spences Bridge community
- Feasibility Study conducted by Gentec Engineering in 2007
- Assessed 14 different servicing scenarios
- 6 scenarios with SBCWS

## Objectives

- Meet IHA and HC requirements
- Service as many people as possible
- Meet water quality and quantity requirements

- Insert Keith's slides here

## Where are we so far?

- BCCWIP Grant \$777,333
- Borrow \$400,000
- Total Funds \$1,177,333
- System Upgrades
  - Well source, bridge crossing, distribution, reservoir

## Your costs

- Have authority to borrow \$400,000
- Annual cost to borrow (\$400,000) = \$38,000  
Financed Through MFA Over 20 Years
- Cost/parcel (\$38,000/123) = \$308/yr
  - Well source, bridge crossing, distribution, reservoir

## What will we still need to do?

- To meet IHA requirements:
  - Filtration \$2,700,000\*
  - Thompson R. Intake \$900,000\*
- Additional Project Cost \$3,600,000
- SBCWS share \$3,600,000
- Budget Shortfall \$3,600,000

## What Will It Cost? SBCWS Only

- Annual cost to borrow (\$4,000,000) = \$400,000  
Financed Through MFA Over 20 Years
- Cost/parcel ( $\$400,000/123$ ) = \$3,250/yr

## Cost Summary Joint System

- Project Cost \$4,205,500
- SBCWS share \$1,881,080
- BCCWIP Grant \$777,333
- Borrow \$400,000
- Total \$1,177,333
- Budget Shortfall \$705,000
- Need to borrow additional \$800,000

## What Will It Cost?

- Annual cost to borrow (\$800,000) = \$80,000  
Financed Through MFA Over 20 Years
- Cost/parcel ( $\$80,000/123$ ) = \$650/yr

## What Are Our Options?

- SBCWS/CFIB Joint System
  - Borrow \$800,000 + \$400,000 = \$1,200,000
    - Upgrade and Meet IHA DW Objectives
    - Parcel tax of \$308 + \$650 = \$958/yr
- SBCWS System
  - Borrow \$3,600,000 + \$400,000 = \$4,000,000
    - Upgrade and Meet IHA DW Objectives
    - Parcel tax of \$308 + \$3,250 = \$3,558/yr

## Next Steps

- Straw Poll – tonight
- If positive result – petition to obtain authorization to borrow an additional \$800,000

## Questions?



## Operating Budget Update Revenue

Item	2007	Budget	Variance
Toll Charges	-\$47,317	-\$43,750	\$3,567
Discounts	\$3,136	\$4,375	\$1,239
Misc.	-\$38,319	-\$35,000	\$3,319
Grants	\$0	-\$777,333	-\$777,333
Borrowing	\$0	-\$388,667	-\$388,667
Total Revenues	-\$82,500	-\$1,240,375	-\$1,157,874

## Operating Budget Update Expenses

Item	2007	Budget	Variance
Capital Upgrade	\$2,154	\$1,166,000	\$1,163,845
Consumables	\$6,767	\$7,700	\$933
Contractors	\$17,242	\$12,000	-\$5,242
Eng/Admin	\$5,250	\$5,250	\$0
R & M	\$6,689	\$8,425	\$1,736
Insurance	\$1,639	\$1,400	-\$239
Debt	\$4,562	\$4,600	\$38
Reserve	\$30,000	\$35,000	\$5,000
General	\$1,810	\$0	-\$1,810
Total	\$76,113	\$1,240,375	\$1,163,524