

The background of the slide features a dynamic blue water splash with ripples. Two vibrant green leaves are positioned at the top center, with a single water droplet falling from them. The overall aesthetic is clean and nature-oriented.

# **Town of Killington Water System Feasibility Study**

Phase II Needs Assessment  
Public Information Meeting  
August 28, 2012

Presented by  
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# Phase I Summary

- Evaluated water supply sources
- Conducted needs assessment/survey
- Identified sporadic water needs with limited interest
- Town recommended evaluating partnering with SP Land (Phase II)

## Phase II Objectives

- Understand SP Land's proposed water system
- Evaluate Town water needs
- Evaluate needed improvements to SP Land water system for Town needs
- Identify infrastructure from SP Land into Town

# SP Land Proposed Water System

- Phase I:
  - Utilize existing wells (2014<sup>+</sup>)
- Phase II:
  - Construct new water system (2016<sup>+</sup>)
  - Valley Wells capable of safe yield of 600-900 gpm (864,000 to 1,296,000 gpd average day)
  - SP Land's design plans approx. 60-75% complete
  - Construction cost estimate \$10-11 million





# Town Water Needs

- Evaluated build out demands for existing infrastructure in Service Areas 2, 3, 4 and 6 (only Elementary School).
- Needed fire flow demands (1500 gpm for 2 hours – 180,000 gallons)
- Demands used for sizing pipes and storage

# Needed Improvements to SP Land Phase II Infrastructure

- Sports Hill Pump Station expansion
- Tank site preparation
- Increase size of Village transmission main
- \$1 million total project cost

# Infrastructure to Service Town

- 750,000 gallon storage tank
- Two (2) vertical turbine pumps
- Transmission main from Village to Town
- Pressure Reducing Vaults (PRVs)
- Valves & appurtenances
- \$4.5 million total project cost

# Overall Cost Estimate

SP Land Phase II	\$ 11 million
Town Phase II Add. Needs	\$1 million
Town Infrastructure	\$4.5 million
<b>Total</b>	<b>\$16.5 million</b>

# Cost Sharing with SP Land

- Anticipated cost sharing
  - Wells
  - Sport Hill Pump Station
  - Transmission main

# Benefit of Water System

- From a development standpoint wastewater tends to be the driver although water competition may become an issue along the Mountain Road.
- Addresses quality and quantity issues.
- Phase I identified sporadic needs with limited interest.

# Next Steps

- A+E finishing technical report
- Town discussions with SP Land
  - Ownership
  - Cost Sharing
  - Financing

# Questions?

