Shorewood - San Pareil
Water Service Area
Fire Protection Upgrades
PETITION
Purpose of tonight’s meeting

To provide an overview of the project and the petitioning process.
Background

- Residents approved the RDN takeover of the water system from Bubbling Springs in 1999, RDN began operations in 2000.

- Borrowing bylaw established in 2000 for system improvements

- Substandard fire flow was identified at that time but residents did not wish to proceed due to costs.

- Borrowed funds utilized for pumping and piping improvements, Maple Lane main replacement and a new well.

- Improvements since 2000 combined with borrowing costs have not permitted the development of a reserve.
Why are improvements needed?

Distribution Piping
- Mostly undersized for fire protection purposes.

Pump station
- Pump station replacement is a priority

Reservoir
- Existing storage is 13% below recommended fire flow standards
- Full fire protection for all properties requires twinning of the existing reservoir capacity.
## Improvements – Cost Summary

### 2011 Dollars

<table>
<thead>
<tr>
<th>Component</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Station</td>
<td>$400,000</td>
</tr>
<tr>
<td>Reservoir</td>
<td>$214,000</td>
</tr>
<tr>
<td>Piping</td>
<td>$746,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$1,360,000</strong></td>
</tr>
</tbody>
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*October 13 2011*
Maple Lane to Mariner Way PIPE UPGRADE

REPLACE PUMP STATION

TWIN RESERVOIR

Terrien Way PIPE UPGRADE
Petitioning Process

• Petitioning is used to gain the assent of the electors.

• Petitions describe the project and associated costs.

• Only petitions that are signed and returned to the RDN by November 4th will count as a positive vote.
Petitioning Process

- The petition must be signed by the owners of at least 50% of the parcels liable to be charged for the proposed service, and

- The persons signing must be the owners of parcels that in total represent 50% of the net taxable value of all land and improvements within the proposed service area.
  - \(2 \text{ owners} = 2 \text{ signatures}, \ 3 \text{ owners} = \text{at least 2 signatures}\)
Some Common Questions

- Can I pay my portion up front?
  - Yes
- What is the assumed borrowing rate?
  - 5%
- When will payments begin?
  - 2013
- What alternatives exist if the petition fails?
  - Alternative Approval Process
  - Referendum
  - Re-petition for a smaller project to include a new pump station and water mains on Terrien Way to Sabine (approximately $650,000)

October 13, 2011
Some Common Questions

- How will aging pipe infrastructure be replaced?
  - A combination of reserves and future borrowing.

- If the petition is successful when would construction begin.
  - Design in early 2012 with construction beginning in the summer of 2012 with projected completion by fall of 2013.
Final Key Points

- The proposed fire service area serves all residents and is supported financially by all residents.

- The improvements do not supply potable water to the 44 properties not in the San Pareil Water Service Area.

- The proposed improvements are needed regardless of the need for fire protection improvements.

- Signed petitions must be in by November 4th, 2011.