

River Forecast Flood Management Plan



CITY COUNCIL MEETING - MARCH 15, 2011

Presentation Components



- **Current Information and Forecast**
- **Primary Risks and Concerns**
- **Action Steps**
- **Resource Needs**
- **Communication**

Current Information and Forecast



- **NWS Forecasting**
- **March 28 through April 18 – Highest Probability**
- **20.3 Feet (2010) = 92% Chance**
- **22 Feet (1 ft. over Bridge, River Street) = 55% Chance**
- **23.25 Feet (1965) = 35% Chance**
- **24 Feet (existing levee top) = 12% Chance**

- **NWS Updates – March 16 or 17**

Current Information and Forecast



- **Flood Protection Plan**
- **Plan #1: 22 Feet (55% Chance)**
- **Plan #2: 24.5 Feet (between 55% and 12% Chance)**
 - Maximizes potential of the existing levee system

Primary Risks and Concerns



- **River Flooding and/or Levee Failure**
 - Impact: Properties at or below river level
 - River Height + 900 = Sea Level Elevations
 - e.g., 22.5 River Height = 922.5 Property elevation
- **Sanitary Sewer Back-ups**
 - Impact: Properties at or below river level
 - Impact: Properties with sanitary sewer openings (basements) at or below river level
 - e.g., Properties out of flood area, but with basements
- **Utility Disruptions**
 - Electric, other utilities

Action Steps



- **River Protect 4 Primary Areas**
 - South River Street
 - Downtown Business District
 - Central Park/Downtown Residential
 - West side of River

Action Steps



- **Sanitary Sewer System**
- **Failure of one area could jeopardize other protected areas**
- **Recommendation:**
- **Seal manhole covers (63 in flood areas)**
- **Prepare Wastewater Plant to operate at capacity**
- **Individual properties:**
 - Recommend ballooning lines at 19.0 feet (with higher project.)
 - Require ballooning lines at 21.0 feet (with higher projections) of all flood-potential properties (23/24 feet or less)

Action Steps



- Prepare for evacuation of areas
- Recommend at time of sanitary sewer plugging
- Request at any time river level higher than homes over 21 feet

Resource Needs



- **Levees/Materials**

- Plan #1 – 922
- Plan #2 – 924.5

- **Sandbags**

- Current bagging – March 15-17
- Additional bagging needs

- **Volunteers**

- Pre-register
- Depending on stage, may need more

Resource Needs



- **Staffing**
 - Recommend hiring temporary employee
 - Comp time/Overtime issue due to snowplow, staff levels
- **Emergency Shelter**
 - Delano High School
 - Communications with outside agencies

Communications Plan



- **Community-wide**
 - Continue with normal sources – newsletter, newspaper, email, social media, Channel 12
- **Impact Areas**
 - Normal sources
 - Direct contact – Door-to-door, direct dial/direct email (based on preference)
- **Share as much information and thought process as possible**