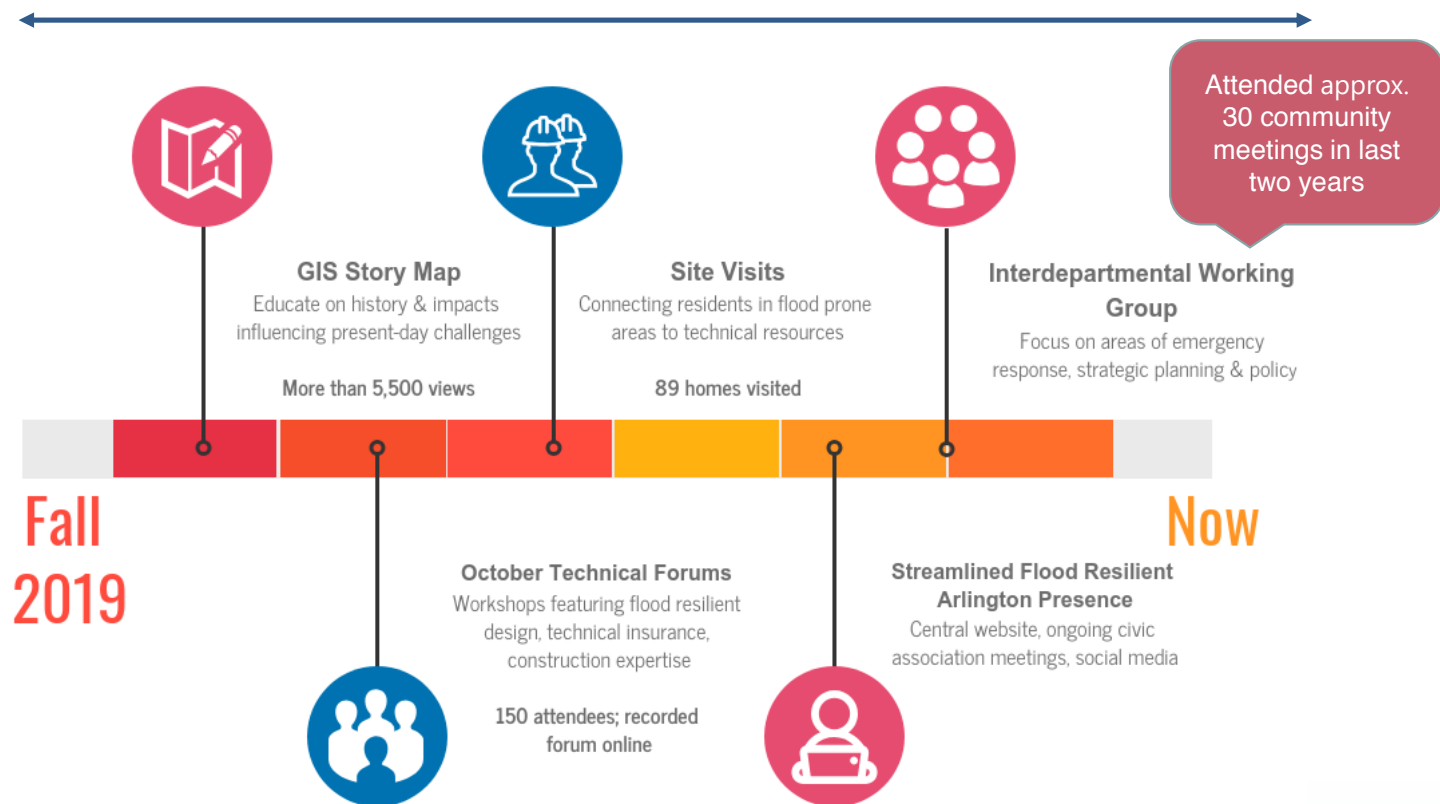# Flood Resilient Arlington Update



ARLINGTON
VIRGINIA

February 25, 2020

# What We've Done - Community Engagement

*Ongoing engagement with community groups*

Attended approx. 30 community meetings in last two years

**GIS Story Map**
Educate on history & impacts influencing present-day challenges

More than 5,500 views

**Site Visits**
Connecting residents in flood prone areas to technical resources

89 homes visited

**Interdepartmental Working Group**
Focus on areas of emergency response, strategic planning & policy

Fall 2019

Now

**October Technical Forums**
Workshops featuring flood resilient design, technical insurance, construction expertise

150 attendees; recorded forum online

**Streamlined Flood Resilient Arlington Presence**
Central website, ongoing civic association meetings, social media

# Working Group Areas of Focus

Emergency response and life safety notification

Development and regulations

Strategic improvements and policy changes

Communications and engagement

Timing of results will vary, but already informing processes. Summary report out Summer 2020.

# Emergency Response/Life Safety Notification

## Deliverables

- Review of best practices across country
- Transportation sensors in public right-of-way
- Residential sensors – flood warning for high risk homes
- **Recommended $129K in budget to pilot flood sensors**



**Examples of sensor & warning systems in Right-Of-Way** *(L: City of Alexandria; R: Austin, TX)*



**Flood sensors for residential use**

# Development and Regulations

## Deliverables

- Updated Land Disturbance Activity (LDA) Regulations

- Produce policy/practices research and literature reviews
- Develop summary of key policy/practice innovations for resilience
- Multi-departmental review of key potential policy/practice updates and innovations

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# Strategic Improvements & Policy Changes

## Deliverables

- Expand design alternatives for projects
    - Property acquisition
    - Distributed detention
    - Blended solutions for capacity projects
    - Multi-purpose public properties (APS, DPR) for flood water detention
- Development of overland relief
- Review publishing of inundation maps
- Informed by Risk Assessment and Management Project deliverables (ongoing and continuous)
- Review of appropriate design storm for future projects

# Investments in Budget & CIP

- Significant needs-based investment proposed in upcoming 10-year CIP (approx. $150-200M)
  - Maintenance capital
  - Streams & water quality
  - System expansion/capacity – (majority of investment)
- Shifted investment focus to system improvement projects to address water-shed scale flooding concerns.
- Additional staff for project execution and LDA inspections

# Public Engagement Opportunities

**Flood Resilient Arlington Engagement**

**Spring 2020**

**March 26 Stormwater Open House**
Opportunity for public to review working group recommendations & provide feedback

**Late March Online Engagement**
Open House materials will be available online for people to comment & provide feedback

Feedback from both processes will inform CIP

**Overall CIP Engagement**

**CIP Leaders Forum – March 19**
Community leaders & advocates representing diverse interests on CIP

**CIP Online Engagement –**
Open Feb. to late April

**Proposed CIP released in May 2020**
June Public Hearing

**CIP adoption in July;** followed by ongoing implementation

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