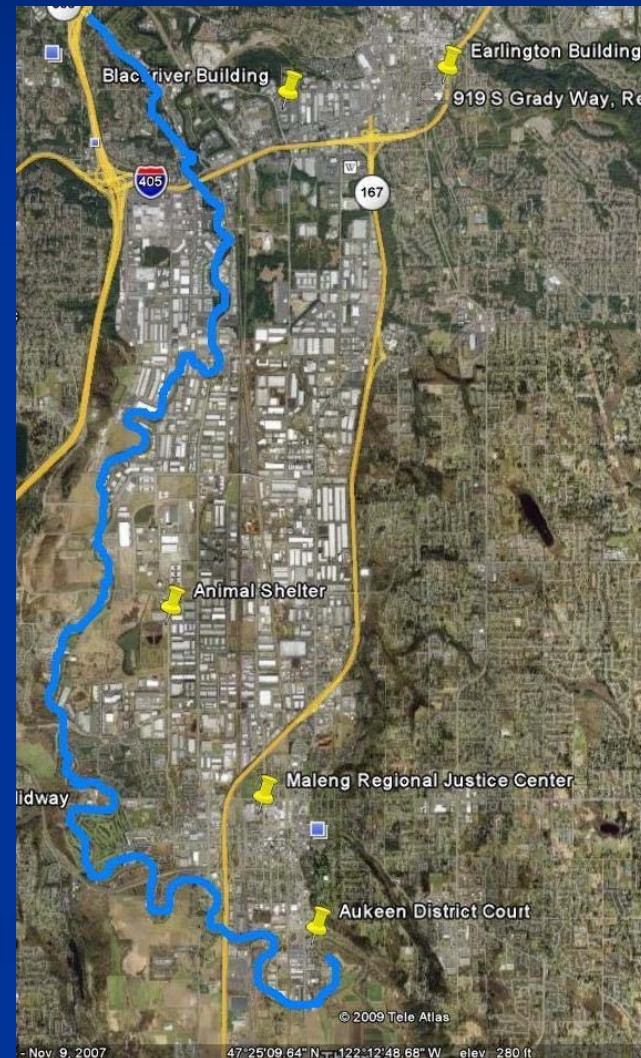


Committee of the Whole Presentation

September 2, 2009

Owned General Government Buildings in Flood Area

- **Earlington Building**
 - 17,600 CFS: No Flooding
 - 25,000 CFS: 6' to 10'
- **Black River Building**
 - 17,600 CFS: No Flooding
 - 25,000 CFS: 6' to 10'
- **Animal Shelter**
 - 17,600 CFS: 2' to 3'
 - 25,000 CFS: 4' to 6'
- **Maleng Regional Justice Center**
 - 17,600 CFS: 2' to 6'
 - 25,000 CFS: 3' to 8'
- **Aukeen Court**
 - 17,600 CFS: 0' to 1'
 - 25,000 CFS: 2' to 3'



Leased General Government Agencies in the flood area

- Public Health (various sites)
- Radio Shop
- Kent and Renton Probation Offices
- KCSO – Seized Vehicle Storage
- PAO – Kent Professional Center Location
- DCHS – Worksource
- DDES Hearing Examiner

Maleng Regional Justice Center



Potential Flood Levels

Courthouse 2-3 feet

Jail 5-6 feet

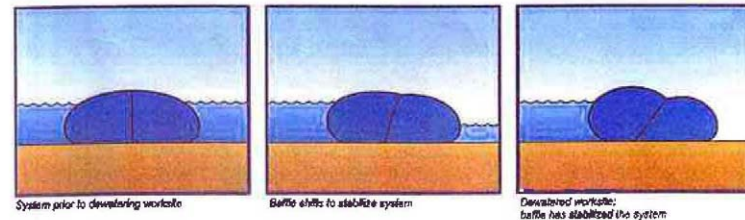
Maleng Regional Justice Center Perimeter Protection

- Perimeter protection using Ecology Blocks and Aqua –Barriers.
- Rough Order of Magnitude (ROM) cost estimate is \$1.1 million including design, project management, and contingency.
- Goal to have in place prior to 11/1/09.

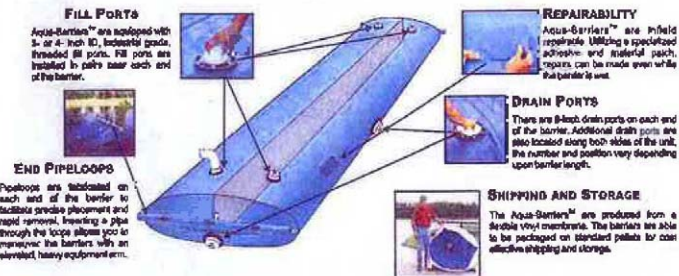
Water Barriers



AQUA-BARRIER™ IS A WATER FILLED DAM THAT UTILIZES A PATENTED INTERNAL Baffle FOR STABILITY



AQUA-BARRIER™ OFFERS UNIQUE ACCESSORIES TO FACILITATE INFIELD USE



AQUA-BARRIERS™ COME IN MULTIPLE SIZES TO MEET ALL YOUR DEWATERING NEEDS

Inflated Height in Feet	Maximum Controllable Waterhead Depth in Feet	Inflated Volume in cu. ft. per liner foot	Inflated Width in Feet	Connection Overlap Requirements in Feet
3	27	131	7	4.5
4	36	225	9	6
5	45	352	11.25	7.5
6	54	506	13.5	9
8	72	901	18	12

* The depth of water represents 75% of the inflated height of a fully inflated Aqua-Barrier™. It is required that a minimum 25% freeboard (portion of barrier above water level) inflated capacity be maintained during all phases of a project. Excess slopes and grades, soil composition, moving water, and other related hydrological criteria may increase or decrease the ability of the Aqua-Barrier™ to perform as projected.

Maleng Regional Justice Center

Dept. of Adult and Juvenile Detention

- Inmate relocation:
 - DAJD is moving as many inmates as possible to the downtown KCCF.
 - DAJD is also working with Kitsap County, Pierce County, Snohomish County and the Federal Detention Facility to house inmates.
 - Backup shelter-in-place plans.
- Searching for temporary leased space alternatives for approximately 10 command, as well as administration staff and vehicles.

Maleng Regional Justice Center

Superior Court

- Researching viability of sharing space for staff in existing downtown facilities (KCCH).
- Researching alternative courtroom space options (Harborview, other court buildings, law schools and private firms).
- Searching for temporary leased space alternatives for tenants if shared space insufficient.

Maleng Regional Justice Center

KCSO, District Court, PAO, DJA, OPD, Law Library, Jail Health

- Temporary or permanent relocation of KCSO-CID
- Researching viability of staff sharing space in existing downtown facilities (Courthouse, Chinook, KCCF).
- Searching for temporary leased space alternatives for tenants.
- Total non-jail square footage: 233,000

Aukeen District Court



Aukeen District Court

- Joint Use Facility
 - KC District Court: Total square footage 15,224
 - Kent Municipal Court
- Interlocal Agreement
 - Kent is expanding the facility at the city's expense.
 - Kent will purchase the building from King County as soon as District Court can relocate.
- Part of the City of Kent Campus
- Pursuing cost sharing with the City of Kent

Aukeen District Court Perimeter Protection

- Aqua-Barriers and sandbags.
- Rough Order of Magnitude Cost Estimate: \$260,000 including design, project management, and contingency.
- Goal to have in place by 11/1/09
- Searching for temporary and permanent relocation space – (purchase or lease).

Kent Animal Shelter, projected flood levels,



Possible 2-3 feet of flooding

Animal Shelter

- Finding facilities for animals in existing Kent Animal Shelter
 - Need: replacement of existing facility
- Finding facilities for lost animals recovered during a flood event
 - Need: Location retained for post-flood re-unification period
- Finding facilities during a flood for animals whose owners are in human shelters
 - Need: Short-term, while human shelters in place.

Flood Event Lost Animals

- 26,000 people reside in the mapped potential flood area
- Based on animal welfare industry standards and Green River flood planning assumptions, resources may be needed to shelter
 - 2,200 cats and dogs owned by people in shelters
 - 500-1500 stray dogs and cats displaced
 - These preliminary estimates are being refined
- Total of 500 large animals/livestock currently in the flood area (KC Agriculture Program survey)

Lost Animals - Partnerships

- Partnerships with national and local organizations are being made to assist before, during and after a flood
 - National organizations
 - American Humane Association (AHA)
 - Humane Society of the United States (HSUS)
 - Code 3 Associates
 - Local Organizations
 - Washington State Animal Response Team (WASART)
 - Seattle-King County Veterinary Medical Association
 - Local shelters and rescue groups
- Partner groups operate on “as-available” basis

Black River Building



Black River Building

DDES, Assessments, Environmental Health, and Hearing Examiner

- 74,280 square feet, general office space.
- Sandbags on site to use as needed and other utility protection measures.
- Less likely to flood
 - Will have contingency relocation plans.

Elections (Earlington Building) Possible Flood Levels



Earlington Building

Elections

- Continuation of operations are critical and mandatory.
- Cannot be easily relocated
- Early temporary relocation of Election's operations to the Airport Operation's Center (A.O.C.).
 - Targeting move to be completed by 10/6/09.
 - AOC available this winter only
- Utility protection measures at Earlington

Permanent relocation to leased space for the
following:

Goal to complete by 11/1/09

- Public Health (Alder Square, EMS Headquarters and Emergency Preparedness).
- Kent and Renton Probation Offices
- Radio Shop

Temporary relocation to existing or leased space

- PAO – Kent Professional Center Location (researching viability of moving into existing space in the downtown Courthouse).
- KCSO – Seized vehicle storage



Black River Pump Station

- Built in 1972 by the Natural Resources Conservation Service, formerly the Soil Conservation Service
- Regulates water from the Black River and Springbrook drainage basins in Renton and Kent to Green River
- Serves to block high flows from the Green River up into the Black River & Springbrook Creek, and Earlington Industrial Park in Renton
- Will provide critical pumping capacity to discharge/drain lower Green River valley during flooding

King County Department of Transportation

Continuity of Operations and Services

Green River Flooding

DOT Infrastructure Impacts

Airport –Fleet - Roads

- **King County International Airport**
 - 17,600: no impact

- **Fleet's Orcas Maintenance Facility**
 - KC facilities management is building owner
 - transfer light duty maintenance to Renton location

- **Road Services**
 - unincorporated roads in the Green River valley
 - inspection and reopening of roads and bridges after water subsides

DOT Infrastructure Impacts

Transit Southbase

- 17,600 to 25,000 cfs – no inundation
- South Complex has four primary facilities
 - south base operations and maintenance
 - south facilities work center
 - safety and training building
 - component supply center
- Loss of utilities is primary concern

Tools

- Lifeline Route Map
 - resources committed to keeping route open
 - planning tool to inform evacuation and sheltering plans
 - Unincorporated and Jurisdictions
- Transit re-Route Service Plan
 - continuity of service impact at 17,600 planning target
 - not an evacuation plan
- Evacuation Route Map
 - unincorporated King County – Upper Green
 - signage, evacuation route map and public education materials
 - support of jurisdictional evacuation plans

Green River Flood IT Assessment, Planning, and Mitigation Structure

County Executive

David Martinez

**Gary Lemenager
Mitigation**

- IT Business Continuity
- Disaster Response
- Critical Applications
- King County Data Center (Sabey)
- Public Safety and Emergency Communications
- Notification Systems
- King County.Gov
- Email

**Jim Keller
Assessment and Planning**

- Public Safety & Emergency Communications
- Telecommunications
- King County Data Center (Sabey)
- Critical Infrastructure
- Site Moves
- Communications & Notification
- Utility Impacts

**Roger Kirouac
Mitigation**

- Voice & Data Network Communications
- Telecommunications (Cell phone, Blackberry's, etc.)
- Intergovernmental Network
- Institutional Network (I-Net)
- King County Data Center Operations (SMT/Sabey)
- Site Moves

IT Assessment, Planning, and Mitigation

- **Public Safety & Emergency Communications**
 - Mitigation Implementation Requirements, Budget, and Schedule for radio systems
- **Telecommunications**
 - Mitigation Implementation Requirements, Budget, and Schedule for phone systems
- **Sabey Data Center**
 - Assessment and Mitigation for the county's main data center
- **Critical Infrastructure**
 - Mitigation Implementation Requirements, Budget, and Schedule for fiber, circuits, communication hubs, central offices, etc.
- **Site Moves**
 - Mitigation Implementation Requirements, Budget, and Schedule in support to facility moves, including decommissioning old sites and commissioning new sites
- **Communications & Notification**
 - Mitigation Implementation Requirements, Budget, and Schedule for critical public communication systems
- **Utility Impacts**
 - Assessment and Impact Report resulting from power outages