The reinvest scenario builds on the economic potential of the adjacent white-water rafting facility on the Fox River. City Hall relocates back to downtown which is transformed into a mixed-use district full of activity.

Housing: Condos above retail, restaurants, and commercial uses cascade down from Van Emmon to the river. The buildings are articulated to open views for residences uphill from the site and offer outdoor terraces for the condos.

City Hall relocates to Bridge Street and Hydraulic, restoring Yorkville's city center to the downtown. An adjacent public square creates a venue for community celebrations and festivals year-round.

Businesses on Bridge Street and the new restaurants and retail face out to the public square. Outdoor dining, cafes, and street vendors generate activity throughout the day and evening.

The downtown district is connected to the regional bike trails from bike paths along the river and side streets. All stormwater is treated on site with a system of green roofs and rain gardens. Buildings are constructed from recycled and regional materials.

Team Members:
Sarah Brady, Mark Schwamel, Laura Srebro, Jorge Barrero, Hyunjoo Oh
Downtown Yorkville as a 21st Century River Town

Historically, river towns developed by nature of their geography, which offered rich land for farming, water power for industry, and land for recreation. Today, a river town of the 21st century will offer new amenities to a growing population – recreation, relaxation, and renewal.

The Preserve Scenario for the United City of Yorkville enhances and builds upon the existing features of the site. A new white water kayak park is being built adjacent to the site, which will create tremendous opportunities for growth in downtown Yorkville.

To make the most of the influx of people, both from Yorkville and across the metropolitan region – our proposal aims to connect our site with both the existing downtown businesses and the new water park. This scenario adds a new public parking lot and plaza. The existing businesses along Bridge Street are connected to the new plaza by a new pedestrian street. The plaza and adjacent open space create a venue for community activities such as farmers markets, art fairs, and holiday festivals.

Sustainability is also important to the Preserve Scenario. Features such as permeable pavers, solar powered high-efficiency streetlights, native prairie plantings, and bioswales for storm water remediation have been included in the design.

**PRESERVE SCENARIO**

**UNITED CITY OF YORKVILLE**

**Team Members:** Sarah Brady, Mark Schwamel, Laura Srebro, Jorge Barrero, Hyunjoo Oh

**Gensler**

- New median by IL DOT
- New pedestrian street
- Existing buildings to remain
- 87 New parking spaces
- New public plaza
- Proposed pavilion (or possible re-use of existing structures)
- Seasonal activities at new pavilion and plaza
- Future private development
- New crosswalks
- New bicycle racks

**Sustainable strategies:**
- High-efficiency LED streetlights
- Native Illinois prairie plantings
- Permeable paving
- Bioswale stormwater remediation

**KEY**
- **SECONDARY CONNECTIONS**
  - PRIMARY CONNECTIONS
  - DOWNTOWN RECREATION DISTRICT
  - TOWN SQUARE
  - PARK
  - KAYAK CHUTE PROJECT
  - SITE
  - HISTORIC COURTHOUSE
  - DOWNTOWN DISTRICT
  - FOX RIVER
  - BRIDGE ST
  - HYDRAULIC ST
  - VAN EMMON ST
  - HEUSTIS ST

**EXISTING CONDITIONS**

**LOCATION PLAN SITE DIAGRAM SITE PLAN**

**COLLAGE OF NEW PUBLIC PLAZA**

**EAST_WEST SITE SECTION**

**NORTH_SOUTH SITE SECTION**

**COLLAGE OF NEW PUBLIC PLA**
This scenario re-invents the Fox River and downtown Yorkville into a district full of activity and vitality. The river becomes fully naturalized and the entire district is powered by river current and solar energy.

**Housing:**
The housing uses the grade of the topography and is built into the land of the hillside to reduce its energy load and create views of the riverfront. All housing is heated and cooled by a district system. The roofs are used to collect water for domestic use and irrigation and food for the district is grown on the roof as well.

**Main Street and Riverfront:**
Neighborhood and specialty retail are located at the ground floor serving the activities that take place in this district. Pervious paving and a Boardwalks for walking/biking/rollerblading follow the river and connect to regional trails. The Fox River is allowed to flood as it returns to its natural conditions. Wet habitats for fish and birds return to create community water-shed and learning opportunities.

**Transportation:**
The riverfront commuter line connecting regional towns runs on the existing train tracks and is powered by solar energy. Highspeed rail runs down the center of Bridge Street with smaller, energy efficient cars on either side.

**Recreation and Activities:**
A recreation center built on piers is located over the river for access to the white-water park. The area features a pedestrian bridge and zip-line over the river, amphitheater, observation tower and climbing wall.

**Team Members:**
Sarah Brady, Mark Schwamel, Laura Srebro, Jorge Barreiro, Hyunjoo Oh

**INNOVATE SCENARIO**

**UNITED CITY OF YORKVILLE**

**Pedestrian Bridge:**
Design to connect both sides of river front
Solar bridge panels create energy natural edge

**New Housing District:**
Commercial/Retail first floor
Green Roofs - Water collection and urban farming
Design to fuse and mimic topography
District heating and cooling

**New Recreational Center:**
Kayak, Canoe, Windsurfing, Bike, Rollerblade Rentals
Green Roof with vegetation
Evaporative cooling using Fox River
Geothermal heating and cooling

**New Riverfront Commuter Line:**
Connects riverfront communities to Regional rail lines
Train powered by solar energy

**Riverfront Park:**
Naturalize Park to become open space amenity
Bike/Walking/Roller blading trail along river front

**Outdoor Activities:**
Zip line and Climbing/Observation Tower

**New Main Street and Boardwalk:**
Main street with pervious paving
Boardwalk on stilts with piers that integrate with Nature
Trails created for walking/biking connect to Regional trails

**Naturalized Riverfront:**
Riverfront flood area
Bioswales and Natural habitats for fish and bird

**Re-Invented Commuter Bridge**
Rail line to connect to Metra
Electric powered vehicles
Bridge with solar panels to generate power

**Fox River:**
Under-water turbines generate power
Future boats with solar power navigate the river

**Riverfront Amphitheater:**
Seating built into natural terrain
Views looking onto river and white-water park
Theatre powered by solar energy

**SITE PLAN**

**AERIAL VIEW OF SITE**

**PERSPECTIVE LOOKING EAST**

**SITE SECTION**

**PERSPECTIVE FROM PEDESTRIAN BRIDGE**

**PERSPECTIVE LOOKING WEST**

**Gensler**
Team Members: Shannon, Laura, Valerie, Fred,ภาพใช้ที่อ้างอิง