

# Rice Response to Hurricane Ike



# Hurricane Ike

- Preparation
- Ride Out
- Recovery
- FEMA

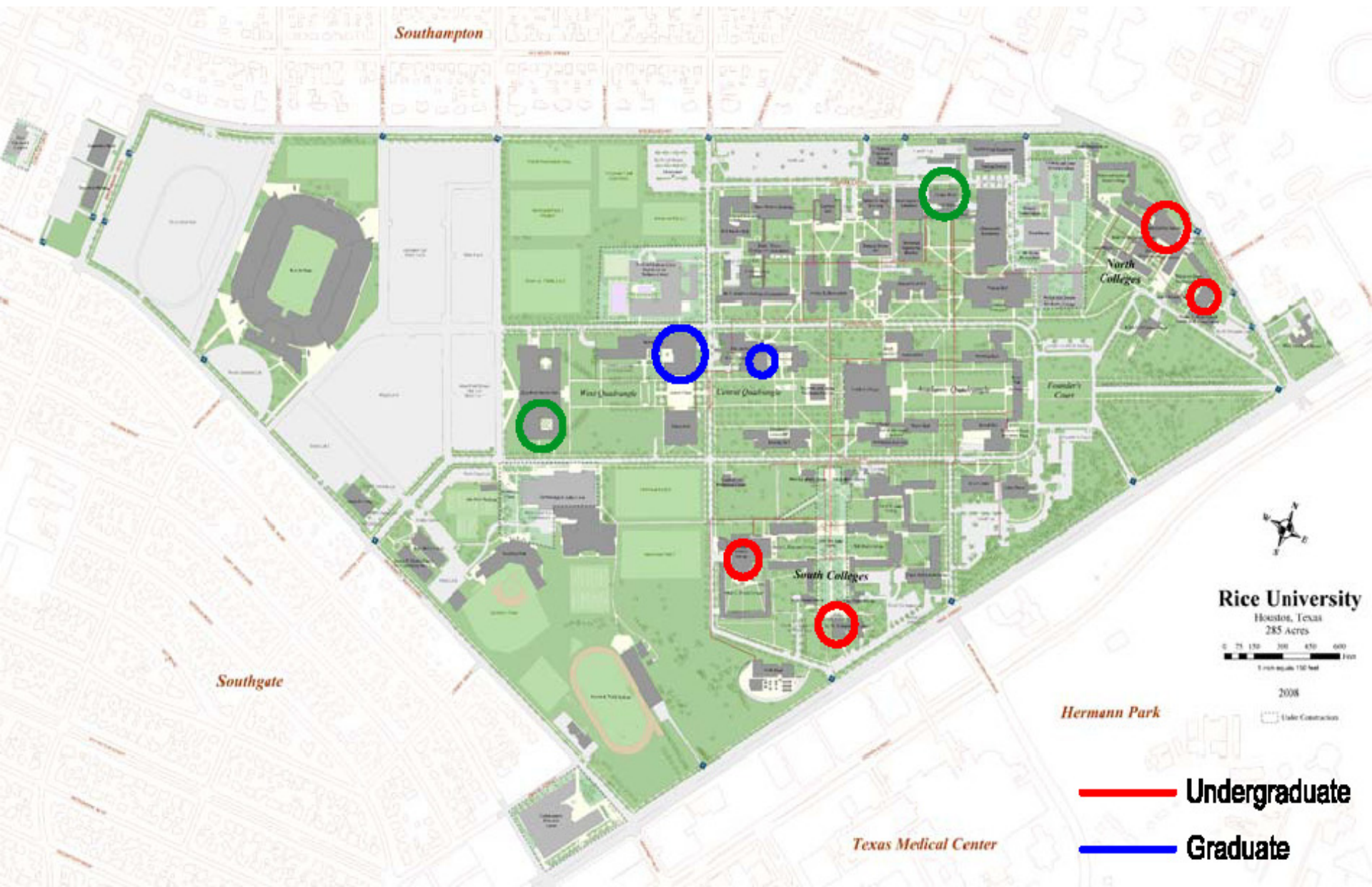
# Preparation

- Crisis Management Team
- Deans of Undergraduates/Graduates
- Housing and Dining
- RUPD
- Information Technology
- Facilities Engineering and Planning
- Public Affairs

# Preparation

- Shelters
- Command Center
- Prepare campus
- Food and water supplies
- Secure the campus
- Network/Backbone protection
- Ready emergency equipment and supplies
- Allow ride out team to secure home and families
- Website for public communication

# Preparation



# Ride out Team

- Administration
- Command Center
- Campus Administration
- 2,200 Undergraduates (85-90%)
- 270 Graduate students
- Public Affairs
- All RUPD officers and dispatchers
- 15 Housing and Dining employees
- 40 FEP

# During the Storm

- 100 's of blips, but never lost power to campus
- Will Rice College lost power for about 30 mins
- Localized flooding at various campus spots
- Wind and water infiltration through windows and doors
- Craft response to emergencies during the storm
- South Plant utility support
- Water well pump motor electrical damage

# Ike Damage

- Trees and Landscape
- Roofs and roof equipment
- Flooring/equipment damage from water infiltration
- Building exteriors & windows
- Basement flooding
- Construction Sites



















TOL			QTR	TOL		
DOWN			TO GO	ON		

RICE

Methodist  
The Methodist  
Hospital System

RICE OWLS

WELLS FARGO

RICE OWLS

RICE UNIVERSITY





DISTINGUISHED R



# Landscape Damage

- 62 trees lost
- 14 Italian Cypress
- 5 Pines
- 5 Cedar Elms
- 30 young trees reset
- Perimeter hedges



















# Initial Recovery

- Ride out crew provided immediate recovery effort
- Additional staff reported to work Sat pm and Sun
- Several contractors pre arranged for early response
- Reassignment of construction crews to recovery
- Campus back in operation on Tuesday

# Initial Recovery

- Assessment teams by project managers
- Building inspections by technical staff
- Data assimilation
- 72 Projects initiated
- Current estimate \$3,000,000
- Insurance challenges

# Problems tangent to Ike

- Street flooding on and off campus
- Debris everywhere
- Brays Bayou approaching flood levels
- City water pressure problems/Rice water well
- No power to contractor workshops
- Generator needs for off campus sites
- Coordination with Center Point electric

# Construction Sites



FRACO FRACO FRACO FRACO

CAUTION  
NO  
TIE OFF







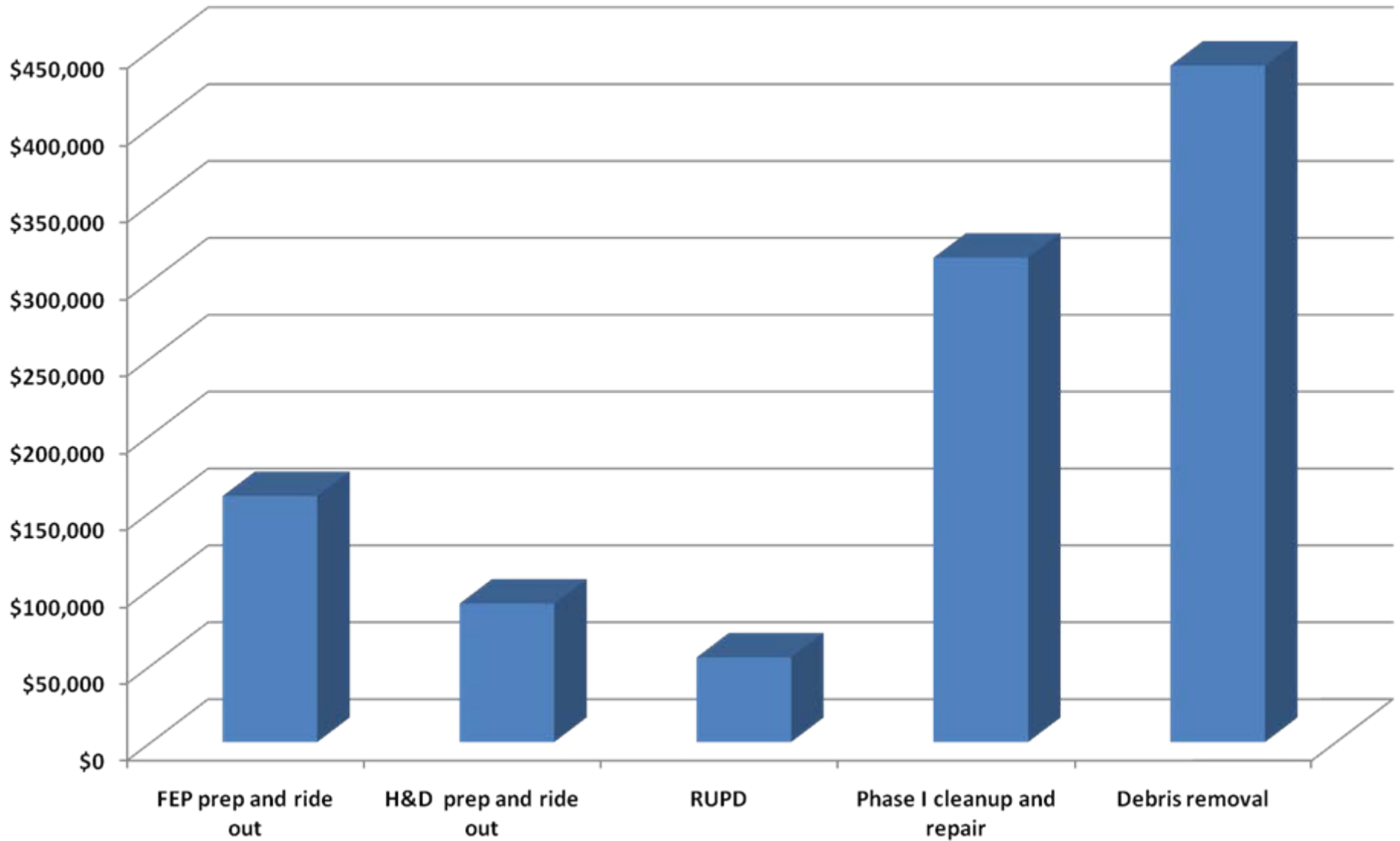








# Preparation, Ride Out, Initial Recovery



# FEMA

- Eligibility, Initial contact, various deadlines
- Packaging data per FEMA format
  - Preparation and Ride Out
  - Debris removal (possible 100% up to Oct. 26)
  - Other building repair
- Mitigation



# McMurtry and Duncan Colleges

- Total ~\$2,325,000
- \$250,000 builder's risk windstorm deductible
- Schedule is not likely to be affected



# CRC Costs and Schedule Impact

- ~ \$3,000,000
- \$1,000,000 builder's risk windstorm deductible
- Shell and Core up to 4 week delay
- Minimal Tenant improvement schedule impact