



# **Regional Groundwater Update Project**

**PROJECT UPDATE TO REGION H PLANNING GROUP**

**December 7, 2011**



## Work Order 4 Population Projections



- Metrostudy
  - **Short term:** 2010 – 2020 annual increments
  - Quarterly housing surveys
  - Knowledge of future housing development
  - Considers regional economic outlook, quality of schools, current and future transportation planning, etc.



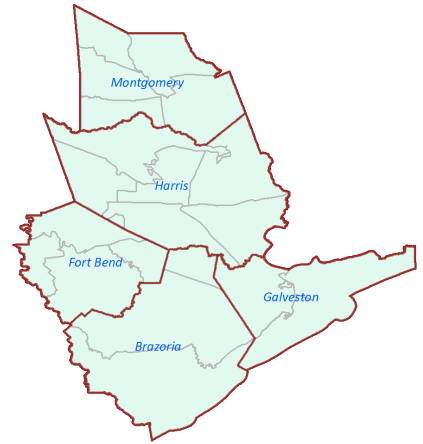
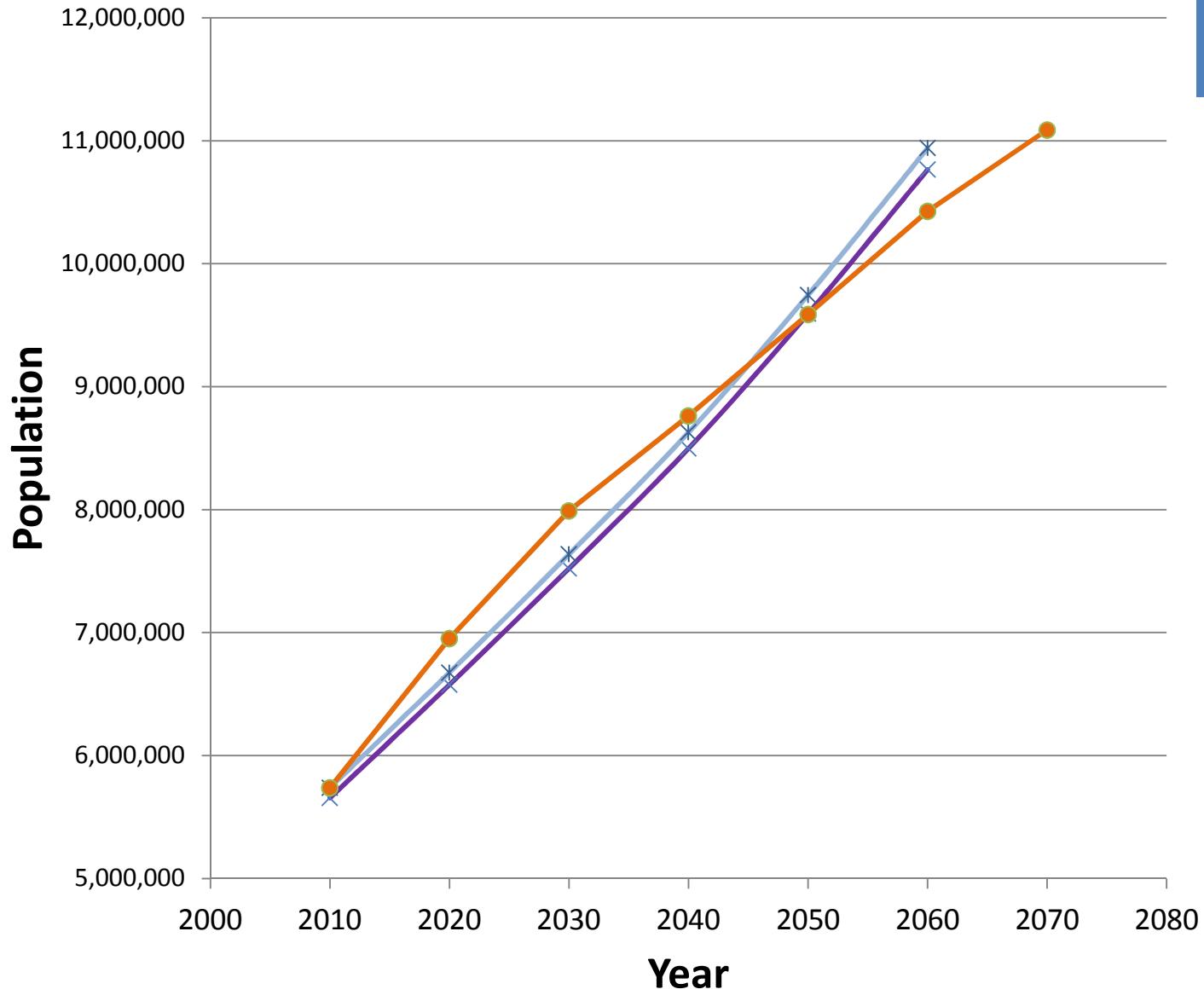
- University of Houston Center for Public Policy
  - **Long term:** 2030 – 2070 decadal
  - Models historical patterns in job creation and employment sub-centers statistically
  - Projects population based on long term forecast of economic growth and number and location of future jobs



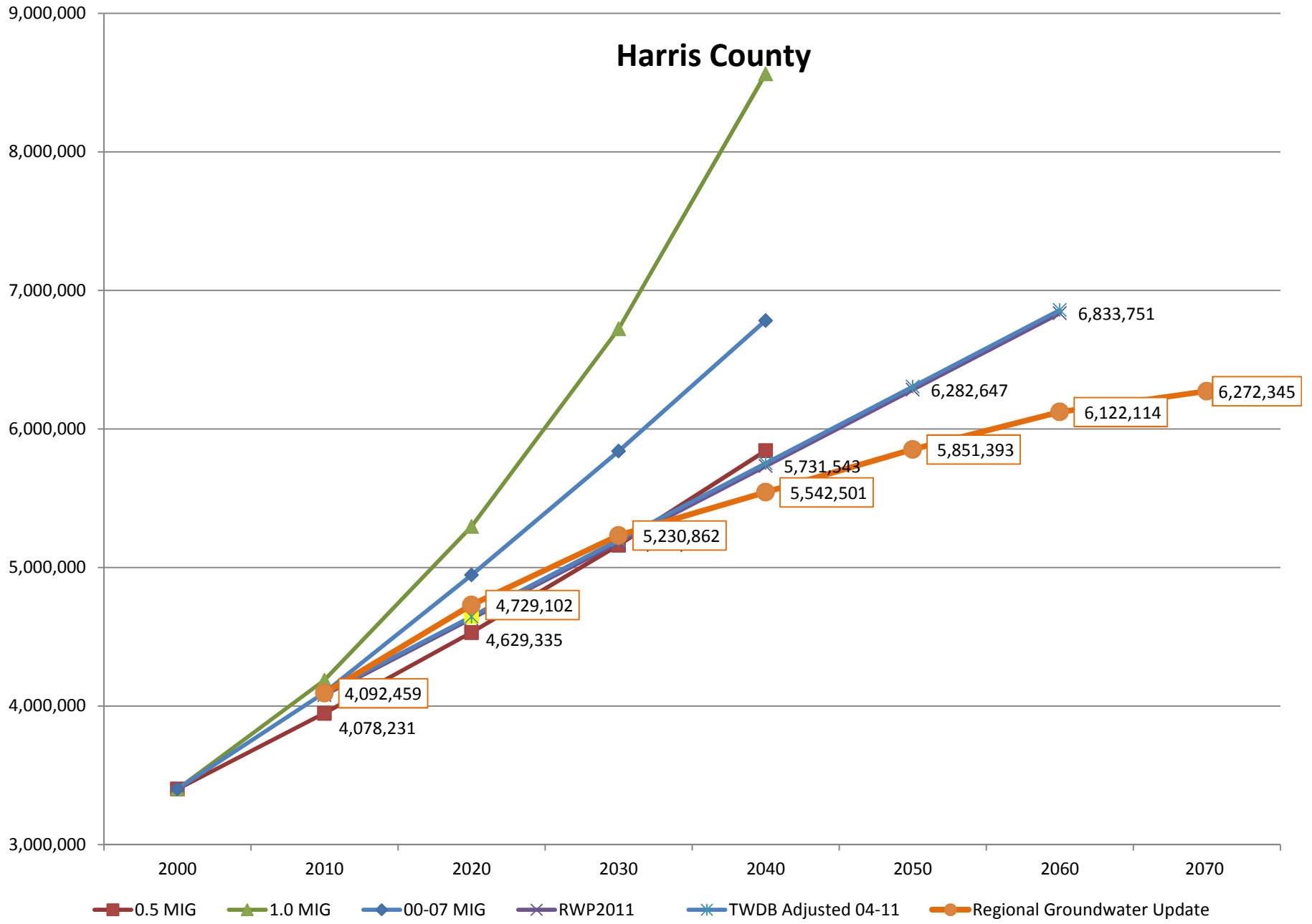
- Combined Projections
  - Projections by Census Tract
  - 2020 – 2070 by decade
  - Use Metrostudy's 2020 numbers
  - Use UH's 2030 – 2070 numbers
  - UH & Metrostudy coordinated on 2020 projections

# Regional Projections\*\*

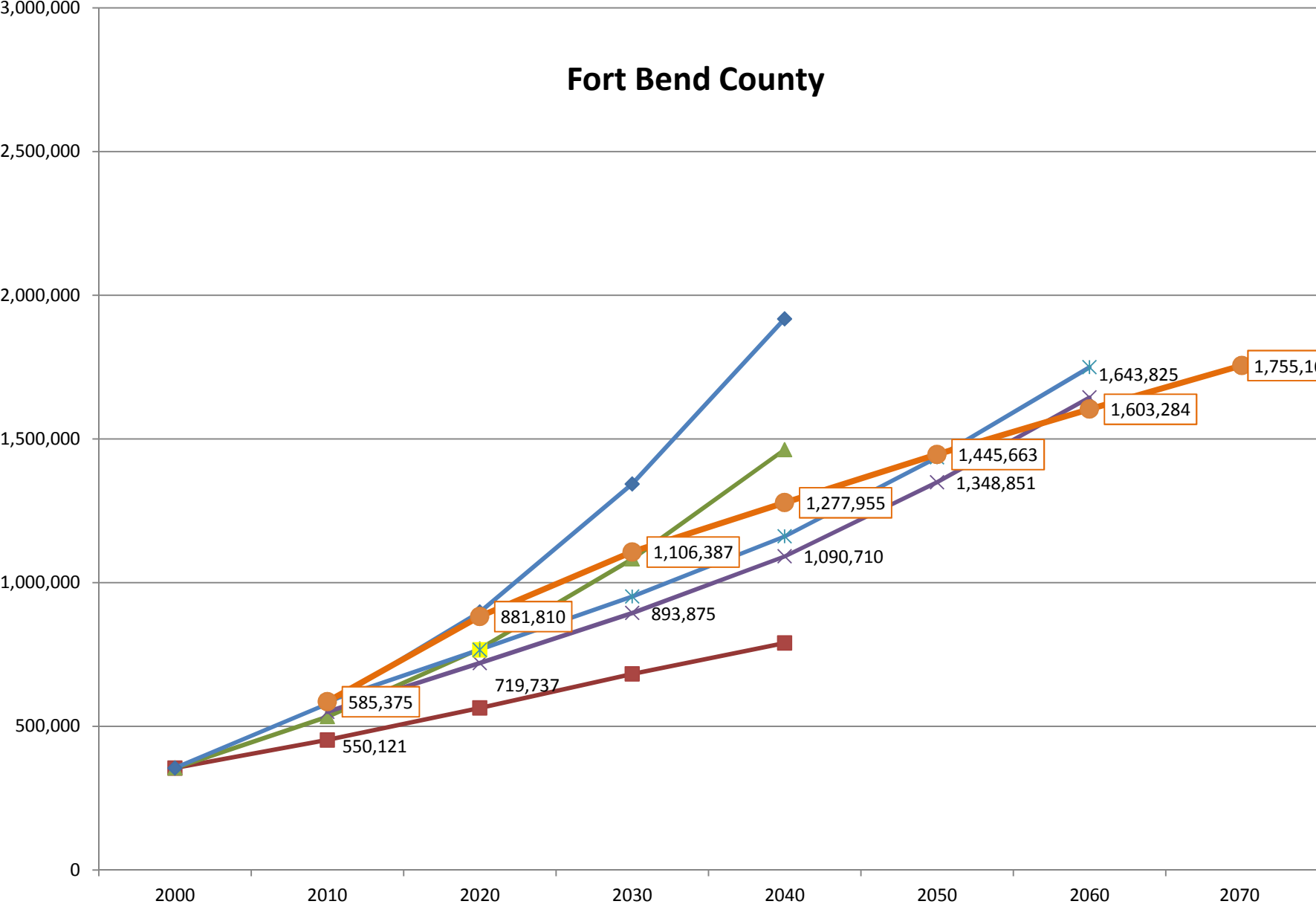
**\*\*ONLY INCLUDES  
5 COUNTIES  
OF HGSD STUDY**



- RWP2011
- TWDB ADJUSTED
- REGIONAL GW UPDATE



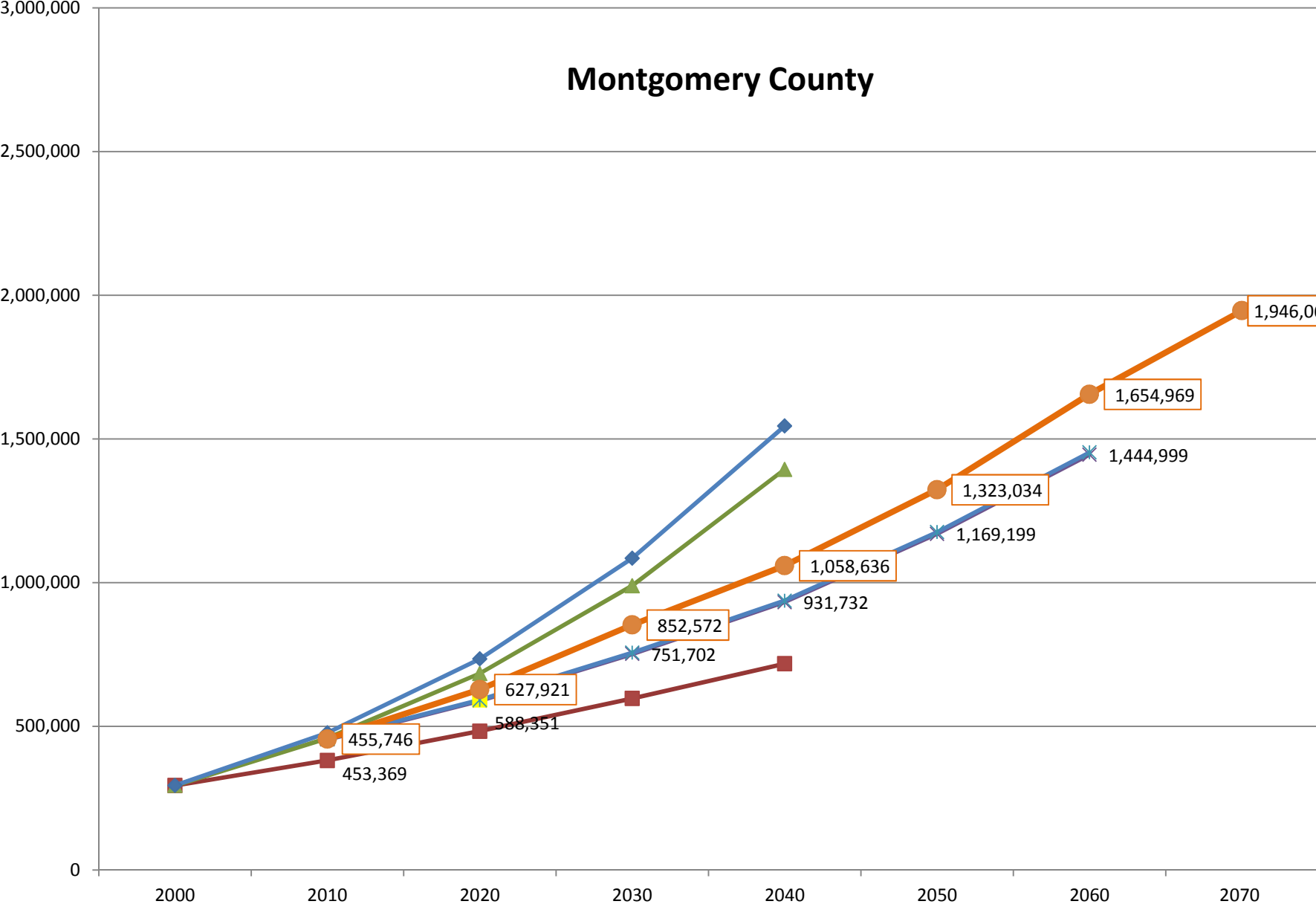
# Fort Bend County



0.5 MIG    1.0 MIG    00-07 MIG    RWP2011    TWDB Adjusted 04-11    Regional Groundwater Update

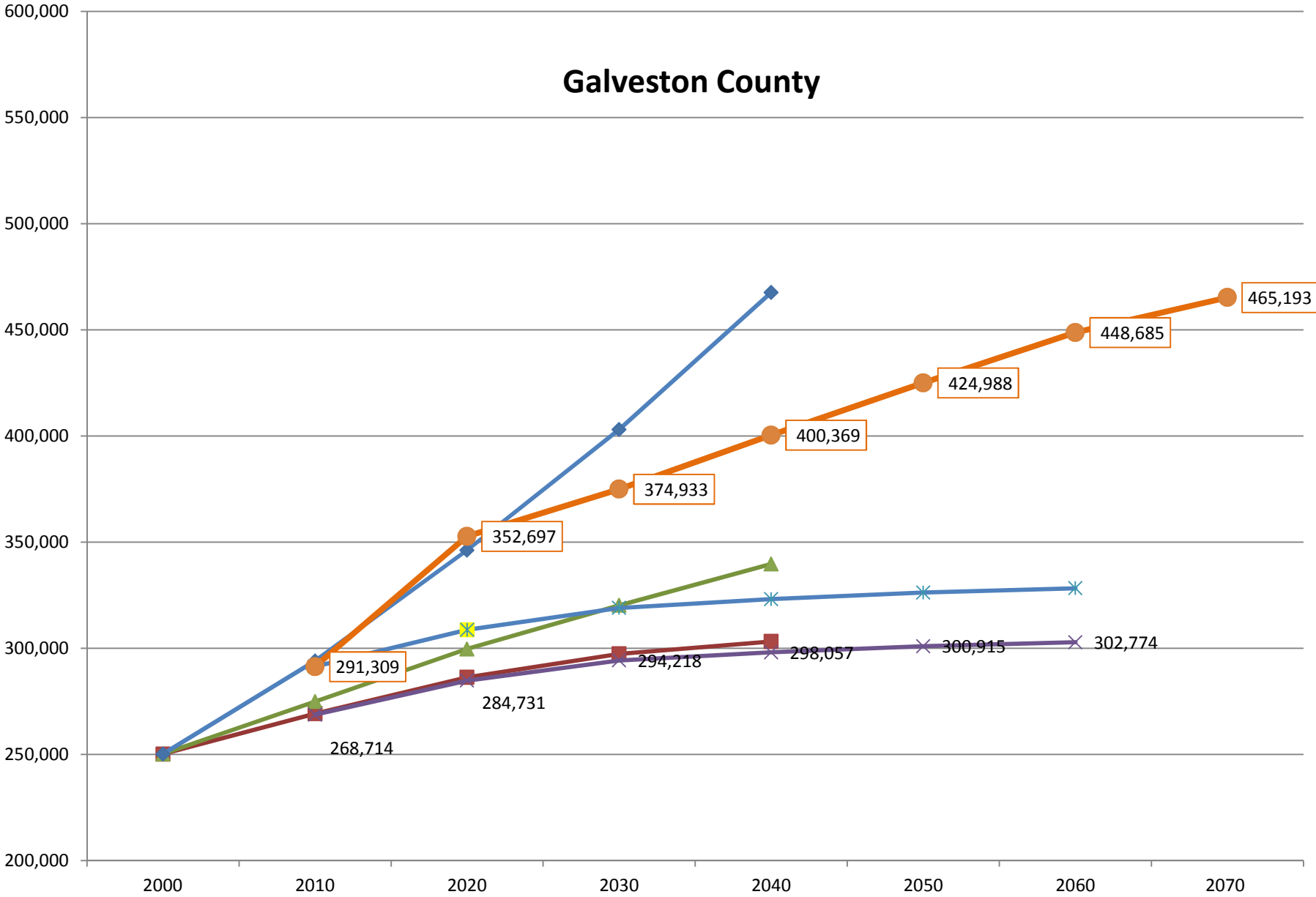


# Montgomery County



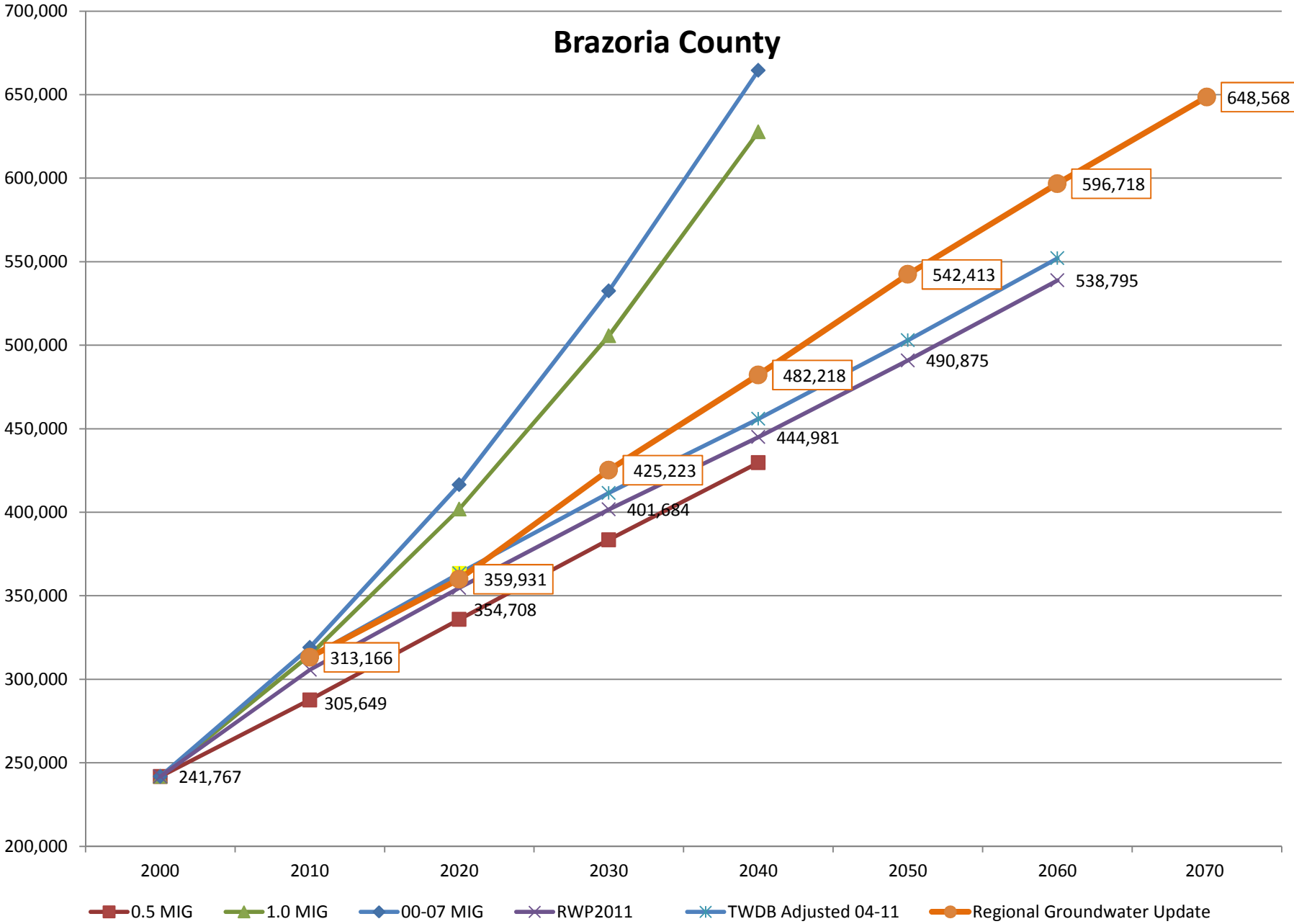
0.5 MIG    1.0 MIG    00-07 MIG    RWP2011    TWDB Adjusted 04-11    Regional Groundwater Update

# Galveston County



■ 0.5 MIG   
 ▲ 1.0 MIG   
 ◆ 00-07 MIG   
 × RWP2011   
 ✱ TWDB Adjusted 04-11   
 ● Regional Groundwater Update

# Brazoria County



# FUTURE ACTIVITIES



2012 ACTIVITIES

# FUTURE ACTIVITIES



- Development of projected GPCDs
- Population and water demand distribution
- PRESS model and SUBS package analyses
- Regulatory scenario development – groundwater model
- Evaluation of scenario modeling results
- Update of disincentive fee
- Revision of regulatory plan

# 2012 SCHEDULE



TASK	2012											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Work Orders 5 +</i>												
Per Capita Daily Use Projections	■											
Population Projection Distribution	■	■										
Demand Projection Distribution		■	■	■								
TWDB Coordination				■	■							
Subsidence Model (PRESS) FM 1960 Site Calibration	■	■	■									
Regulatory Scenario Development and Analysis				■	■	■	■	■	■			
Regulatory Plan Update									■	■	■	■
Disincentive Fee Update						■	■	■	■			
Reg. Planning Comm / Stakeholder Meetings						◆		◆			◆	◆
Adopt Updated Regulatory Plan										■	■	■



# **Regional Groundwater Update Project**

**PROJECT UPDATE TO REGION H PLANNING GROUP**

**December 7, 2011**