

APPENDIX B

MONTGOMERY COUNTY WATER DEMAND PROJECTIONS

1 Large Volume Groundwater User (LVGU)	2 SJRA Joint GRP Participants	3 2009 Total Qualifying Demand (MGD)	4 Region H WUG	5 Demand Basis	6 LSGCD 2007 - 2009 Pumpage	7 WRAP II Questionnaire		9 Water Demand Projection Method	10 WRAP II Questionnaire			13 H-GAC Population					19 Unit Demand (gpcd)		21 WUG Breakout (2007-2009)	22 Region H WUGs 2011 (MGD)				26 LSGCD Average Pumpage 2007-2009 (MGD)	27 Special Values	29 Joint SJRA GRP Projected Demands (mgd)								
						2007 Connect's	2045 Demand		2007 Connect's	Estimate (mgd 2045)	2045 Demand (mgd)	Average 2005 - 2007	2015	2016	2025	2035	2045	Based on Population (gpcd)		Based on Connections (gpcd)	2016	2025	2035			2045	2016	2025	2035	2045				
Austin/Texas Golf Ventures, LP	N	0.22	N	LU	Y	Y	Y	7	3	61	0.17													0.12	0.14	0.14	0.14	0.14	0.14					
Benders Landing POA (Lexington) fka Lipar Group	N	0.12	N	LU	Y	N	N	7																0.03	0.03	0.03	0.03	0.03	0.03					
Bentwater Yacht & Country Club (Miller #4)	N	0.21	N	LU	Y	N	N	7																0.15	0.15	0.15	0.15	0.15	0.15					
Chateau Woods MUD	N	0.19	N	Muni	Y	Y	Y	2	725	88	0.24	1,074	1,739	1,760	1,944	2,235	2,681		76					0.18		0.19	0.21	0.22	0.24					
Crown Oaks P.O.A. Inc.	N	0.04	N	LU	Y	N	N	7																0.03	0.03	0.03	0.03	0.03	0.03					
E.B.J.V., Inc. (FM 1488)	N	0.03	N	LU	Y	N	N	6																0.03		0.03	0.03	0.03	0.03					
E.B.J.V., Inc. (JFP Yard)	N	0.01	N	LU	Y	N	N	6																0.01		0.01	0.01	0.01	0.01					
Eastwood Hills Mobile Home Park	N	0.03	N	Muni	Y	N	N	6																0.03		0.03	0.03	0.03	0.03					
Fellowship of the Woodlands	N	0.04	N	LU	Y	N	N	6																0.03		0.03	0.03	0.03	0.03					
HMRG3 LLC	N	0.18	N	LU	Y	Y	N	6	1															0.14		0.14	0.14	0.14	0.14					
Huntsman Petrochemical Corp.	N	0.87	N	LU	Y	Y	Y	2	3	230	0.63													0.50		0.52	0.56	0.59	0.63					
Lake Forest Falls	N	0.05	N	Muni	Y	N	N	3				358	412	412	414	433	481		116					0.05		0.05	0.05	0.05	0.06					
Lake Windcrest POA, Inc.	N	0.14	N	LU	Y	N	N	7																0.02	0.02	0.02	0.02	0.02	0.02					
Legends Holding Company, L.P.	N		N	LU	N	N	N	7																										
Legends Trace Interests, Ltd	N		N	LU	N	N	N	7																										
Magnolia ISD (Magnolia High School)	N	0.08	N	LU	Y	Y	N	6	4															0.04		0.04	0.04	0.04	0.04					
Magnolia ISD (West High School)	N	0.08	N	LU	Y	Y	N	6	4															0.05		0.05	0.05	0.05	0.05					
Maverick Tube, LLC dba Tenaris Conroe	N	0.06	N	LU	Y	Y	N	6	2															0.05		0.05	0.05	0.05	0.05					
MC MUD No. 56	N	0.11	N	Muni	Y	Y	N	3	306			56	115	116	119	141	187		79					0.08		0.08	0.09	0.09	0.10					
Montgomery I S D (Montgomery High School, Irrg)	N	0.03	N	LU	Y	Y	N	6	1															0.01		0.01	0.01	0.01	0.01					
Montgomery Place Water System	N	0.03	N	Muni	Y	Y	Y	2	59	7	0.02	77	87	87	87	90	154		111					0.02		0.02	0.02	0.02	0.02					
Montgomery Trace POA	N	0.09	N	LU	Y	N	Y	7		25	0.07													0.03	0.03	0.03	0.03	0.03	0.03					
Panorama Village Golf Management, LLC fka Panorama Village Country Club	N	0.10	N	LU	Y	Y	Y	7	1	20	0.05													0.02	0.02	0.02	0.02	0.02	0.02					
Portofino Shopping Center (Select Strategies Brokerage -OZ Division, Inc)	N	0.04	N	LU	Y	N	N	6																0.03		0.03	0.03	0.03	0.03					
Quadvest, LP. (McCall Sound)	N	0.02	N	Muni	Y	Y	Y	2	15	12	0.03	8	9	9	9	10	11		36					0.01		0.01	0.02	0.03	0.03					
Ridge Lake Shores POA	N	0.24	N	LU	Y	N	Y	7		20	0.05													0.09	0.09	0.09	0.09	0.09	0.10					
River Plantation Mgt LLC (fka River Plantation Country Club)	N	0.14	N	LU	Y	N	N	7																0.05	0.05	0.05	0.05	0.05	0.05					
Splendor ISD	N	0.03	N	LU	Y	N	N	6																0.01		0.01	0.01	0.01	0.01					
SR Superior, LLC (fka New Millennium Farms)	N	0.21	N	LU	Y	N	N	6																0.16		0.16	0.16	0.16	0.16					
Texas National Golf Club	N	0.12	N	LU	Y	N	N	7																0.10	0.10	0.10	0.10	0.10	0.10					
The Woodlands Land Development Company, LP	N	0.51	N	LU	Y	N	N	6																0.30		0.30	0.30	0.30	0.30					
Town of Woodloch	N	0.10	N	Muni	Y	N	N	3				167	189	189	189	191	199		128					0.07		0.07	0.07	0.07	0.07					
W. W. Webber, LLC (FM 242)	N	0.01	N	LU	Y	N	N	7																0.01										
Westmont Mobile Home Park	N	0.04	N	Muni	Y	Y	N	3	103			82	119	127	194	198	201		71					0.02		0.02	0.02	0.02	0.02					
Williams Brothers Construction Co., Inc	N	0.04	N	LU	N	N	N	7																										
Woodforest Golf Club LLC	N	0.36	N	LU	Y	N	N	7																0.23	0.23	0.23	0.23	0.23	0.23					
Woodland Lakes WSC	N	0.06	N	Muni	Y	N	N	3				561	634	636	654	746	876		45					0.03		0.03	0.03	0.04	0.04					
Region H Total Water																									88.91	110.15	133.28	161.20		88.91	110.15	133.28	161.20	
LVGU Total (GRP Participants and non-GRP Participants)		69.98																								82.39	99.11	113.97	129.81					
Region H Exemptions																										3.02	3.29	3.59	3.69		3.02	3.29	3.59	3.69
Safe Harbor County Other																													7.75	15.72	27.70			
GRP Demand		54.92																											59.67	73.77	85.21	97.37		
GRP Participant Total & County Other	140	54.92																											59.67	81.51	100.93	125.07		
Surface Water Required																													21.2	43.1	62.5	86.6		

Water Demand Projection Methods (Column 9)

1. Demand was input from the Region H 2011 Water Plan (except for Entergy, see method projection 8). The data was interpolated from the Water Plan to project the years required by DRP Phase II(B).
2. Demand was determined by taking the greater of the average pumpage (2007 – 2009) or an interpolation between the average pumpage (2007 – 2009) and the 2045 demand projections based on questionnaires responses.
3. Demand was determined by taking the greater of the average pumpage (2007 – 2009) or an interpolation between the pumpage data and Unit Demand calculated times the HGAC population in 2045.
4. Demand was calculated using 128 gallons per capita per day (gpcd) times the HGAC population. (128 gpcd is the Region H Unit Demand for County Other).
5. Demand was calculated using 128 gpcd times the HGAC population in 2016 then years 2025 and 2035 were interpolated between the calculated 2016 and 2045 demands.
6. Demand equals the average pumpage (2007 – 2009) for all years. Demand remains constant through the planning period.
7. Demand was based on a "Special Value" entered into the table. Special values were based on comparison with similar entities.
8. Special consideration for Entergy.