

Engineering Graduates In the Region...

Over 3,600 Engineering
Degrees Awarded in past
5 years

University of Texas at El Paso	2007-2008		2006-2007		2005-2006		2004-2005		2003-2004	
	UG	GR								
Engineering	238	140	208	109	282	125	255	127	209	143
Civil Engineering	35	9	39	12	27	8	26	13	14	8
Environmental Engineering	-	3	-	6	-	4	-	7	-	6
Computer Science	28	32	37	34	54	25	49	31	51	43
Computer Engineering	-	14	-	8	-	9	-	8	-	17
Electrical Engineering	66	28	97	22	91	32	77	25	79	23
Industrial Engineering	27	15	30	12	35	12	37	14	18	15
Manufacturing Engineering	-	17	-	4	-	11	-	7	-	20
Mechanical Engineering	64	14	48	8	54	18	55	13	40	11
Metallurgical & Materials Engineering	18	7	17	3	21	6	11	9	7	-
New Mexico State University	2007-2008		2006-2007		2005-2006		2004-2005		2003-2004	
	UG	GR								
Engineering	190	108	229	95	253	107	278	117	243	120
Chemical Engineering	18	6	9	5	7	8	20	5	18	15
Civil Engineering	28	9	59	8	30	13	37	16	47	6
Electrical Engineering	58	40	56	46	64	47	74	52	53	47
Engineering Technology	46	-	38	-	102	-	77	-	58	-
Environmental Engineering	-	5	-	1	-	3	-	1	-	1
Geological Engineering	-	-	2	-	2	-	4	-	1	-
Industrial Engineering	3	40	8	21	8	24	19	29	20	36
Mechanical Engineering	39	8	51	14	40	12	39	12	37	15
Surveying Engineering	4	-	7	-	-	-	8	-	9	-
Engineering Physics	3	-	1	-	-	-	-	-	-	-

Source: UTEP Institutional Research and NMSU Institutional Research, Planning, and Outcomes Assessment. Updated Aug 2009.

Science Graduates In the Region

Over 2,500 Science
Degrees Awarded in past
5 years

University of Texas at El Paso	2007-2008		2006-2007		2005-2006		2004-2005		2003-2004	
	UG	GR								
Science	284	56	223	93	167	72	166	86	120	52
Biological Science	121	4	86	-	74	9	57	4	43	9
Microbiology	64	-	54	-	51	-	53	-	42	-
Chemistry	39	5	24	6	10	11	18	8	7	4
Geological Science	9	8	4	6	1	8	9	5	10	5
Geophysics	2	1	-	2	-	1	-	6	2	3
Applied Mathematics, Mathematics, & Mathematics MAT	34	7	44	32	16	17	18	22	11	8
Statistics	-	3	-	3	-	2	-	5	-	4
Environmental Science & Interdisciplinary Study/Science/MSIS	11	6	7	17	7	4	7	16	-	8
Bioinformatics	-	4	-	6	-	8	-	3	-	4
Physics	4	5	4	9	8	8	5	11	5	4

New Mexico State University	2007-2008		2006-2007		2005-2006		2004-2005		2003-2004	
	UG	GR	UG	GR	UG	GR	UG	GR	UG	GR
Science	137	77	159	83	164	103	145	88	166	72
Astronomy	-	6	-	7	-	5	-	5	-	-
Biochemistry	11	-	14	-	14	-	16	-	19	-
Biology	65	10	65	15	73	15	56	9	57	17
Chemistry	9	6	10	14	9	25	11	10	9	6
Computer Science	18	21	27	18	22	32	23	31	37	18
Geography	11	8	16	6	15	1	8	3	11	5
Geology	3	4	2	9	2	1	7	7	2	4
Mathematics	11	12	7	11	7	11	10	11	8	12
Microbiology	17	-	15	-	15	-	10	-	18	-
Molecular Biology	-	3	-	3	-	7	-	5	-	-
Physics	3	7	3	10	7	6	5	7	5	10

Source: UTEP Institutional Research and NMSU Institutional Research, Planning, and Outcomes Assessment. Updated Aug 2009.



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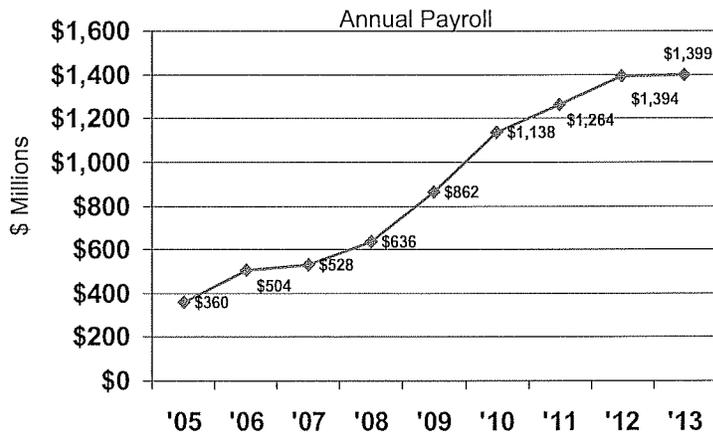
Alternative/ Renewable Energy Initiatives

- **Solar Task Force**
 - Community Leaders working together to promote solar industry development in our region
- **El Paso Solar Energy Association (EPSEA)**
 - Oldest, continuously active local solar association in US
- **UTEP Center for Environmental Resource Management (CERM)**
 - Provides university-wide leadership and coordination for energy and environmentally-related academic, policy, research, and service activities.
- **El Paso Electric Company**
 - Renewable Portfolio Standards, diversifying portfolio, interest in partnership opportunities
- **El Paso County Resolution - “Solar Capital of the Southwest”**
 - Passed by El Paso County government on February 11, 2008 – announcing the County leadership’s intent to establish El Paso as the “Solar Capital of the Southwest”. The resolution also outlines an array of initiatives that are being established to help achieve that status.
- **El Paso Sustainability Plan**
 - Passed by El Paso City government on September 15, 2009 – establishes the City’s commitment and strategic path forward.
- **Fort Bliss Army Installation**
 - Growth on installation, interest in renewables/ partnership opportunities. Vision of DoD or DA Center of Excellence



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Ft Bliss – Total Payroll 2006-2013



Payroll before taxes for entire Ft. Bliss Installation. Calculation includes base pay plus housing allowance and food allowance.



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Water Technologies



Senator KBH Desalination Plant

- 27.5 mgd capacity
- Tech2O Water Resource Learning Center



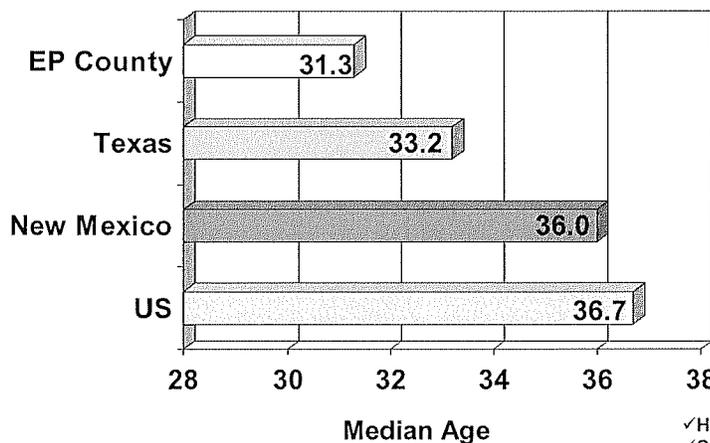
Groundwater	193 mgd
Surface Water	100 mgd
Importation	23,00 acres of land

Center for Inland Desalination Systems (UTEP)
 \$2 Million Texas Emerging Technologies Fund award
 \$4 Million in matching funds and sponsored research
 Partnership with EPWU-- City's Desalination Plant



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Youthful Labor Force...



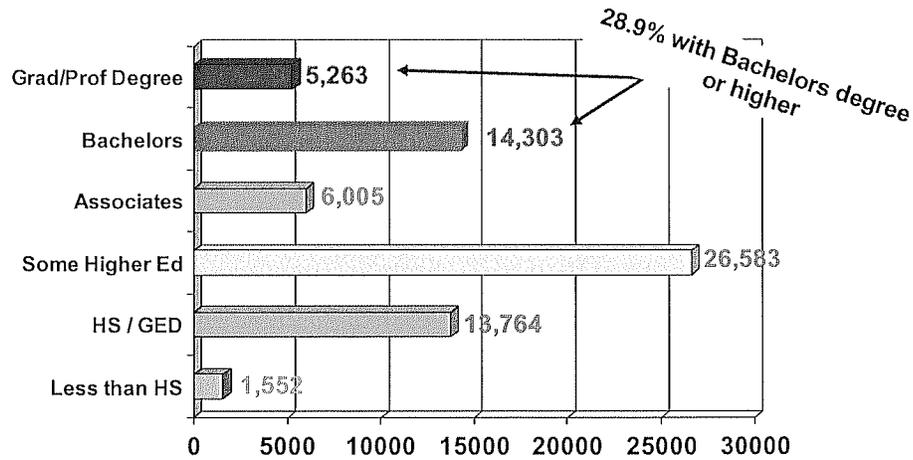
- ✓ High energy level
- ✓ Solid technical awareness
- ✓ Fast learners
- ✓ Creative
- ✓ Lower healthcare costs
- ✓ Competitive wages

Source: American Community Survey Demographic & Housing Estimates: 2007. U.S. Census Bureau; American FactFinder. Updated: Aug 2009.



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Educational Attainment- Underemployed Residents...

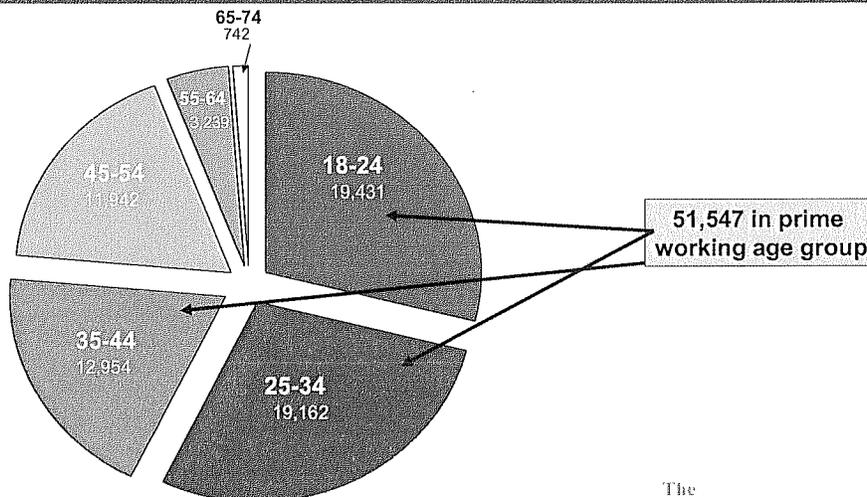


The WADLEY-DONOVAN GROUP
May 2005



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Underemployed Labor Force...

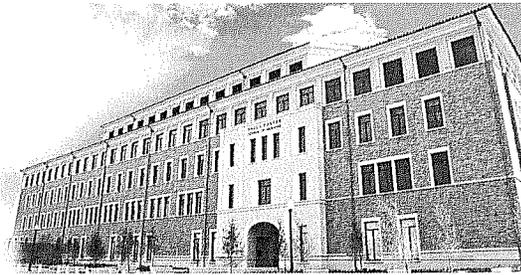
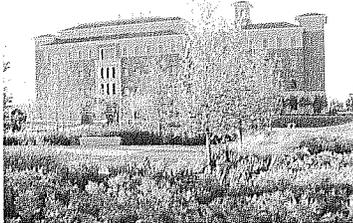


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Texas Tech Medical School

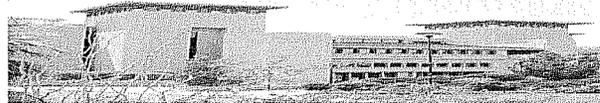


- ✓ Only 2nd four-year Medical School approved in the United States in the last 25 years
- ✓ 1st in Texas in 30 years
- ✓ 1st and *only* Medical School located immediately on the United States/Mexico border



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University of Texas at El Paso



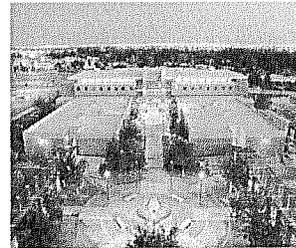
Over
 20,000
 students

- More than 100 baccalaureate and 82 masters programs
- 16 doctoral programs
- More than 560 annual business school grads
- Engineering & Business schools rated top 10 in America for Hispanics
- More than \$50 million in research
- Selected by DHS as a Border Security and Immigration Center of Excellence lead institution (with University of Arizona)



El Paso Community College

- More than 28,000 students on six campuses
- Fastest growing community college in America
- Over 2,300 Associates Degrees and certificates conferred annually (approx 200 business/CIS)
- Programs in business, advanced technology, etc...



Source: El Paso Community College, Division of Research and Development

William Beaumont Army Medical Center

Level II Trauma Center

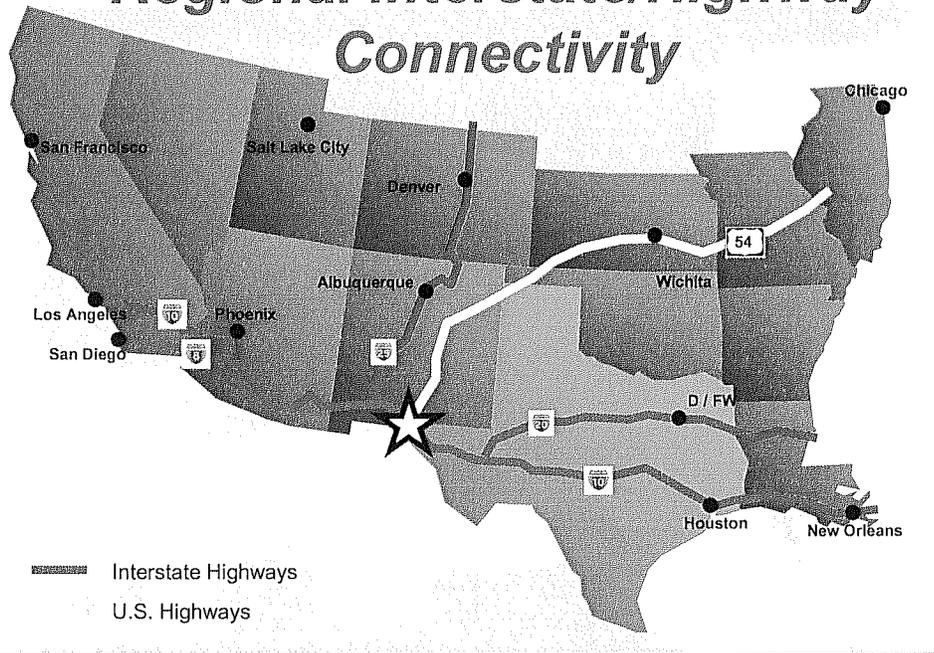
- Treats 410+ Trauma cases annually
- Provides 18-23% of the trauma care for military/ civilian population in El Paso Area

Graduate Medical Education Program

- 70-90 Physicians
- Programs Include: Internal Medicine, General Surgery, Orthopedic Surgery, Transitional Program
- Over 60 Nursing students
- Fully operational Vivarium



Regional Interstate/Highway Connectivity



Superb Rail Connectivity

