

Eric R. Weaver

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Education

Degrees:

- PhD. Civil and Environmental Engineering; USF, Due 2015
- M.S.M. Leadership and Organizational Effectiveness; USF, 2009
- M.B.A. Business Administration; USF, 2009
- B.S.C.E. Civil Engineering; USF, 1998
- B.S. Engineering; USF, 1988

Certificates:

- Engineer Intern 1089ET254, 1990
- Sustainable Enterprises USF, 2009
- Entrepreneurship USF, 2007
- Management USF, 2009

Professional Experience

- 11 to pres Teaching Assistant, Health Policy Mgmt, COPH USF
- 06 to pres Editorial Assistant, Organization & Environment, COBA USF
- 99 to pres Sole Proprietor, independent consulting contractor
- 83 to pres Project Director, STARS USA Inc.
- 08 to 11 Research Assistant, Health Policy Mgmt, COPH USF
- 2006 RA- Research Assistant, College of Nursing, USF
- 92 to 99 Engineer II, Hillsborough County Administration
- 1991 Project Engineer, Reynolds, Smith and Hills, Inc. Tampa, FL
- 1990 Model Engineer, Dames & Moore, Inc. Tampa, FL
- 88 to 90 Design Engineer, Various Small Engineering Firms, Tampa, FL

Businesses; founded and currently in operation include:

- Idea Weaver Inc. 2003; <http://www.starsusa.org/resume/patents.html>
- FEMA SWMM Expert, 1999; <http://www.starsusa.org/resume/professional.htm>
- STARS USA Inc. 1984; <http://www.starsusa.org>

Publications and Research

Regulations; completed and in operation include:

- "Automation Plan 95-97." Completed the Hillsborough County Planning & Growth Management Department's plan to increase computer equipment budget by over 41%. This included systems to directly transfer digital data to the County GIS, modeling and inventory systems. Technology and regulatory procedures were developed for digital CAD submittals from the construction industries for permitting.
- "Hillsborough County Stormwater Management Manual." Established new construction permit requirements using Florida State guidelines, other local cities publications and negotiations with engineers developing in the region, 1997.

Publications; submitted for review and publication include:

- "Anclote River South Prong." Finished existing and proposed flooding conditions analysis for the Anclote River, Tarpon Springs, Florida. The recompiled Stormwater Management Model (SWMM) included the Southwest Florida Water Management District GIS data, the old CDM Inc. Anclote SWMM Study, the Hillsborough County Rocky & Brooker Creek SWMM Studies; completed under contract with Burcaw & Associates Inc. 2003.
- "Hillsborough River Central River Systems." Proposed conditions basin study for the three central tributary systems to the Hillsborough River were completed under contract with Ayers & Associates Inc. for Hillsborough County, 2001.
- "Alafia River - North Prong, South Prong and English Creek." Existing conditions SWMM basin study was completed under contract with Florida Engineering and Environmental Services Inc. for Hillsborough County, 2000.
- "Allen's Creek Watershed Management Plan." This first Florida combined watershed-waterbody Model was established using an ArcInfo GIS database, SWMM and the Water Quality Analysis Program (WASP4) Models; for Pinellas County while employed with Reynolds, Smith and Hills, Inc. 1992.
- "Gardinier Phosphate Plant." Completed property drainage analysis, engineering design and construction plans to resolve EPA Suit following 1988 phosphate spill in Alafia River; while employed with Delta Corporation, 1989.
- "Hawaiian Dream." Walt Disney's Dreamers and Doers Award winning essay of life in 2010, 1985.

Working Papers; currently in process include:

- "Impending Environmental Crisis," is currently under revision.
- "American Youth," Revision 1.3, 2003; concept paper introducing research problems.

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Teaching and Development

Teaching Assistant

- PHC 6102 Principles of Health Policy and Management: Department of Health Policy & Management, College of Public Health, University of South Florida. Three credit On-line course taught by Ann Abbott, Ph.D and Barbara Orban. Course content included the general principles of planning, management, evaluation, and behavior of public and private health care organizations at the local, state, and national levels.

Research Assistant

- Pilot Study assessing the effects of MSBR in early stage breast cancer recovery, for H. Lee Moffitt Cancer Center & Research Institute, with Cecile Lengacher, 12/31/2006 \$6,000.00. Primary responsibility was to compile data for analysis and publication.
- Effects of MSBR in Early Stage Breast Cancer Recovery, for NCI/NIH National Cancer Institute, with Cecile Lengacher, 3/1/2006 \$303,050.00. Primary responsibilities were to rewrite procedures manual, compile data instruments and prepare all tools and publications for new patients.

Grants; University of South Florida

- College of Public Health Outstanding Graduate Fellow, Spring 2011 \$1,500
- College of Public Health Outstanding Graduate Fellow, Spring 2009 \$3,500
- College of Public Health Outstanding Graduate Fellow, Fall 2008 \$3,500

Grants; STARS Service projects receiving outside funding include:

- Community Emergency Response Team, 2003 \$25,000
- Florida Office of Campus Volunteers, 1991 \$3500
- Schaarai Zedek Cemetery, 1989 \$5500

Patents; filed and ready for licensing include:

- Rainwater Capture Greenhouse - USF Ref.: 09B095PRC Patent Pending
- Method for converting internet messages for publishing - US Patent No. 7,421,476
- Bicycle rack mounted to a vehicle trailer hitch sleeve -US Patent No. 6,460,745
- Continuously moving sidewalk transport system - US Patent No. 6,758,318

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Professional Organizations and Community Service

Memberships:

- National Society of Hispanic MBAs, 2007 Student member
- Boy Scouts of America, 2003 Den Leader, Bears Leader, Webelos Leader
- American Society of Civil Engineers, 1985 Student member
- Students Taking an Active Role in Society, 1984 Founding member & Project Director
- Van Dyke Methodist Church, 1983 Founding member

Websites; hobby and volunteer activity:

- Organization & Environment Journal, 2005-present
<http://www.patelcenter.org/oe/journal.htm>
- Earth Charter Summits 2004-2009
<http://www.earthchartersummits.org/>
- Original Achin Research Center, 1997
<http://www.starsusa.org/homestead/files/anchin/Default.htm>
- First Hillsborough County, 1996
<http://www.starsusa.org/homestead/files/pdmd/Pdmd.htm>

Videography; personal hobby which has afforded interesting community interactions and public activity supported by STARS and others include:

- "The Glenn Boyles Home Improvement Show," David Hurd Prod's 2007
- "Albertsons Commercial," David Hurd Prod's 2007
- "Sustainability Symposium 2006," under production
- "Co-dependence to Interdependence," David Hurd Prod's, STARS & Dr Ryce '07
- "The Little Soul and the Sun," Harmony Center 2006
- "Day out of Time," Emissaries of Light 2003
- "Video Productions," Journey Class, Williams IB Middle School 2003
- "The American Machine Over Africa," STARS 2002
- "ARCE Talent Search," Jones InterCable Public Access 1986
- "Dance Today," Jones InterCable Public Access 1986
- "USF NEWS," Jones InterCable Public Access 1986