

Comments at
Salt River Project (SRP)

Energy Efficiency's Role in Reducing Global Warming

Jeff Schlegel

Southwest Energy Efficiency Project (SWEET)

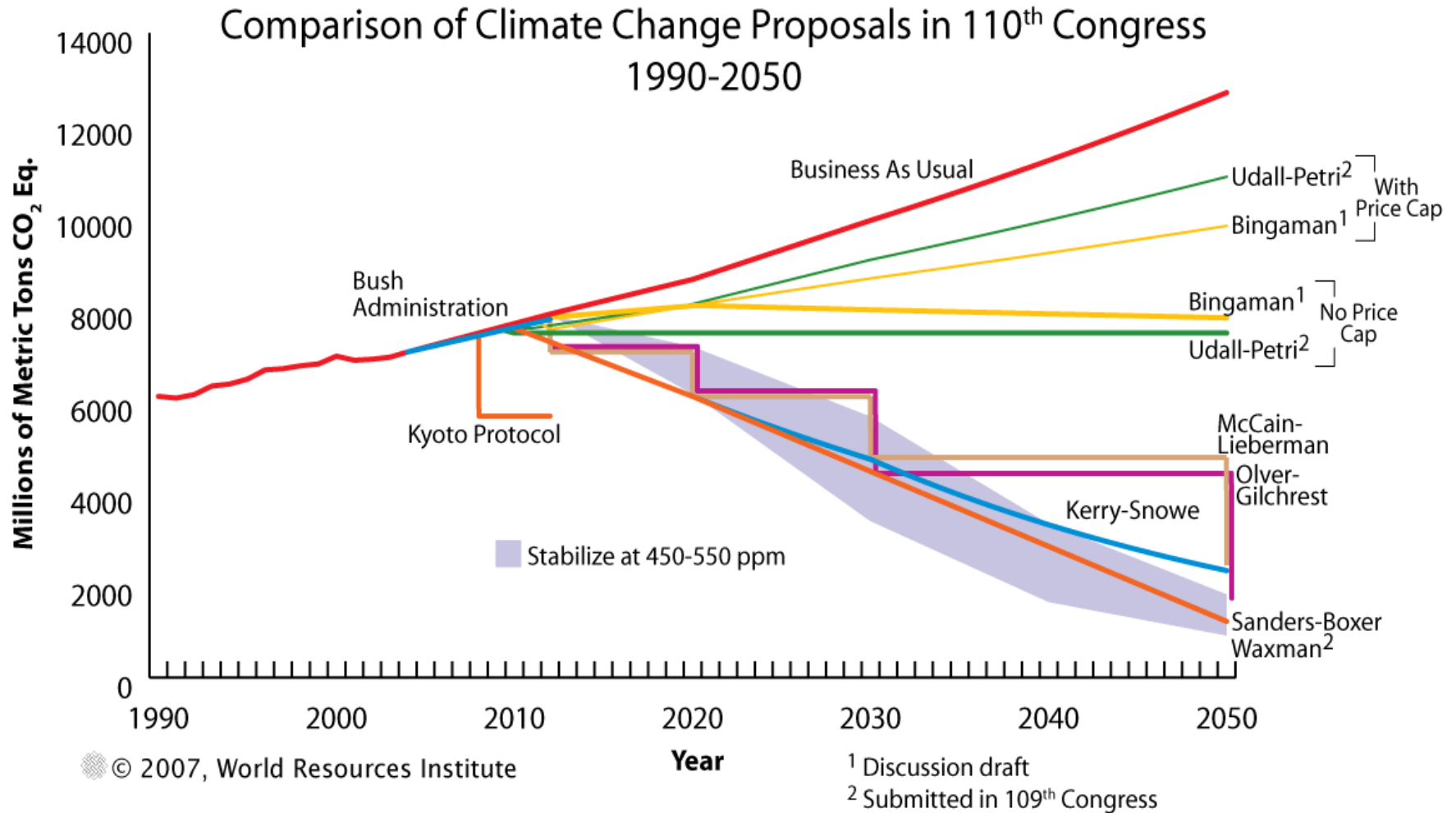
March 29, 2007

Southwest Energy Efficiency Project (SWEEP)

- Public interest initiative promoting greater energy efficiency in AZ and southwest states
- Founded in 2001
- Board of Directors includes utility, state government, national laboratory, and private sector representatives
- Funding provided by the Energy Foundation, Hewlett Foundation, U.S. Department of Energy, and the U.S. Environmental Protection Agency

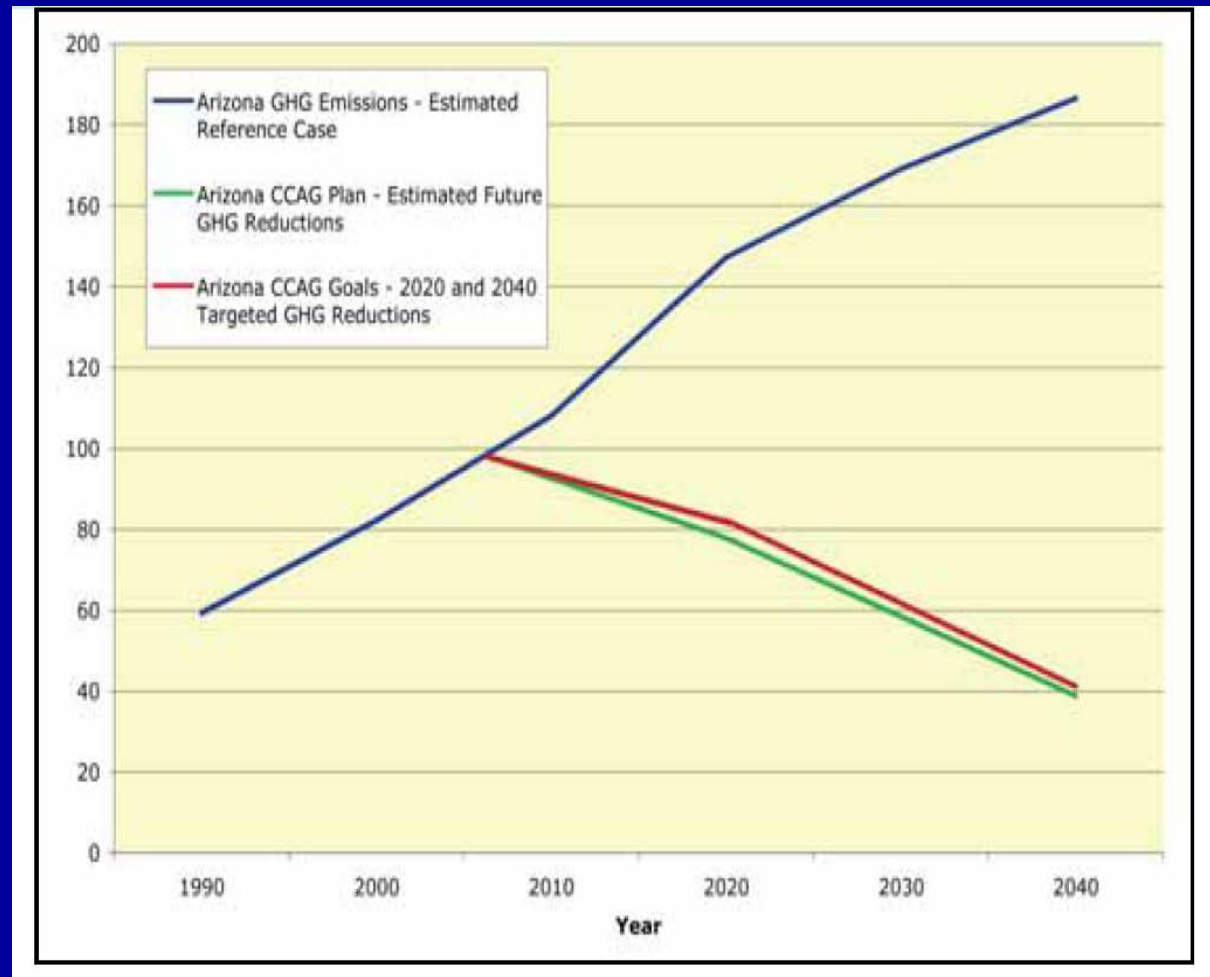
www.swenergy.org

Congressional Interest in Reducing Greenhouse Gases



Arizona Set Greenhouse Gas Reduction Goals

- Governor set goal to reduce greenhouse gas emissions to year 2000 levels by 2020
- Governor also set goal to be 50% below year 2000 levels by 2040

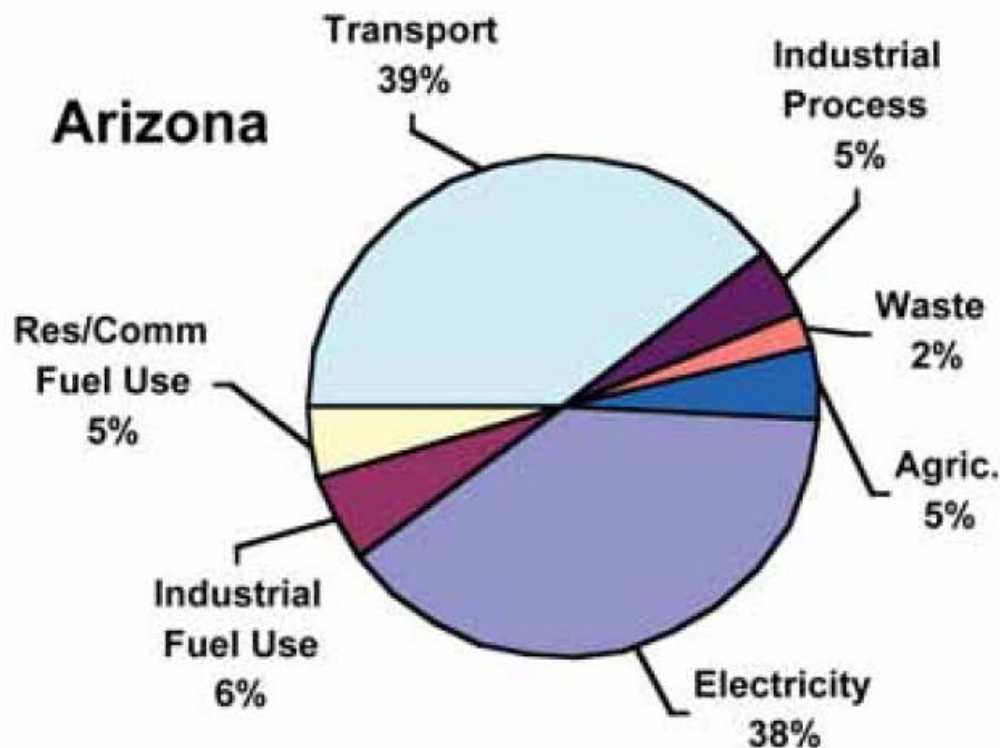


Arizona Greenhouse Gas Emissions are Growing

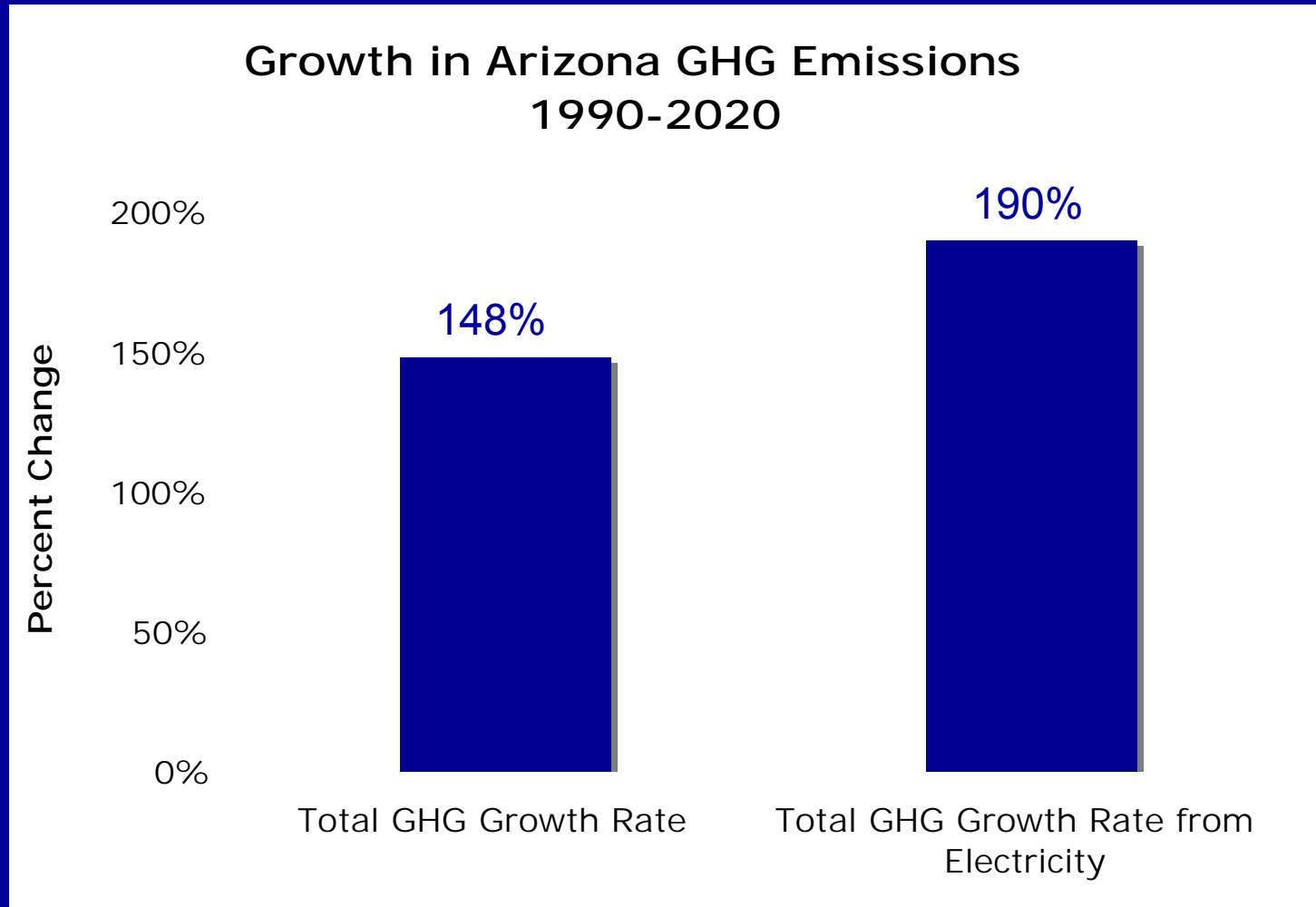
- Increasing Emissions in Arizona
 - Arizona's GHG emissions increased by nearly 56% between 1990 and 2005
 - Arizona's GHG emissions are projected to increase by about 148% over 1990 levels by 2020, and 200% by 2040
 - The majority of Arizona's GHG emissions are from transportation and electricity production

Arizona Greenhouse Gas Emissions

Arizona Greenhouse Gas (GHG) Emissions in 2000

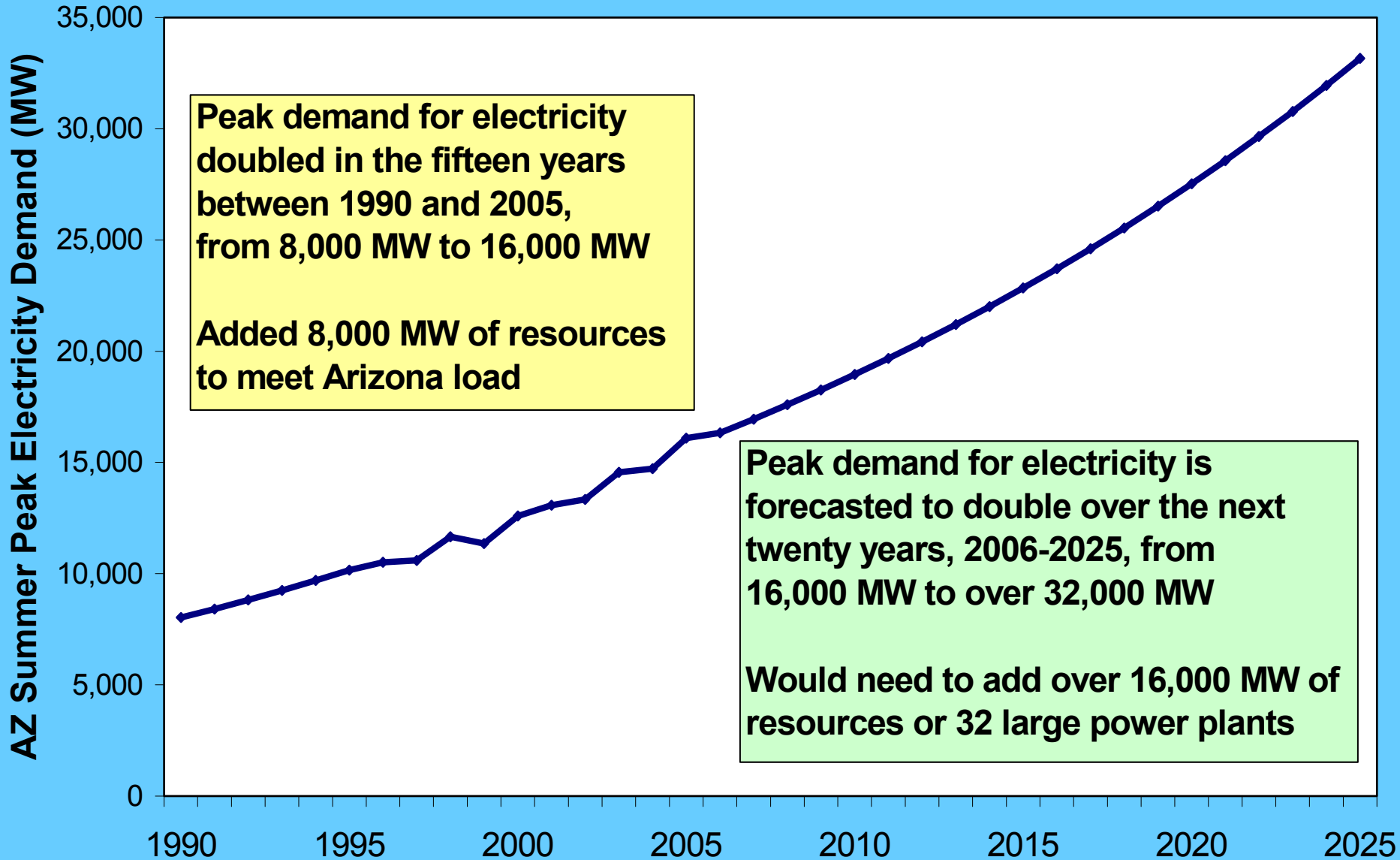


Electricity GHG Emissions are Growing Faster than Total Emissions

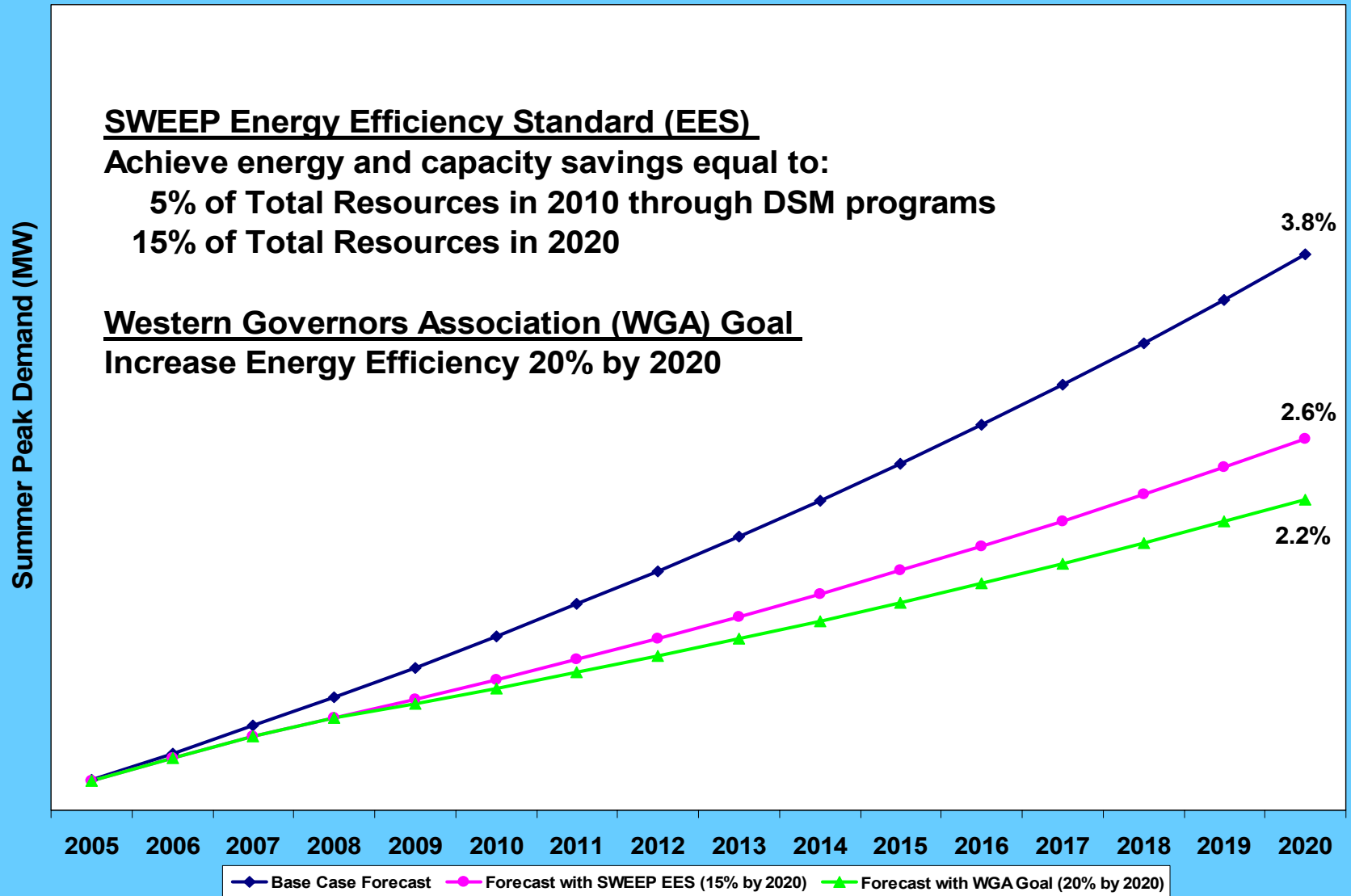


Source: AZ CCAG Climate Change Action Plan, Final Report, August 2006

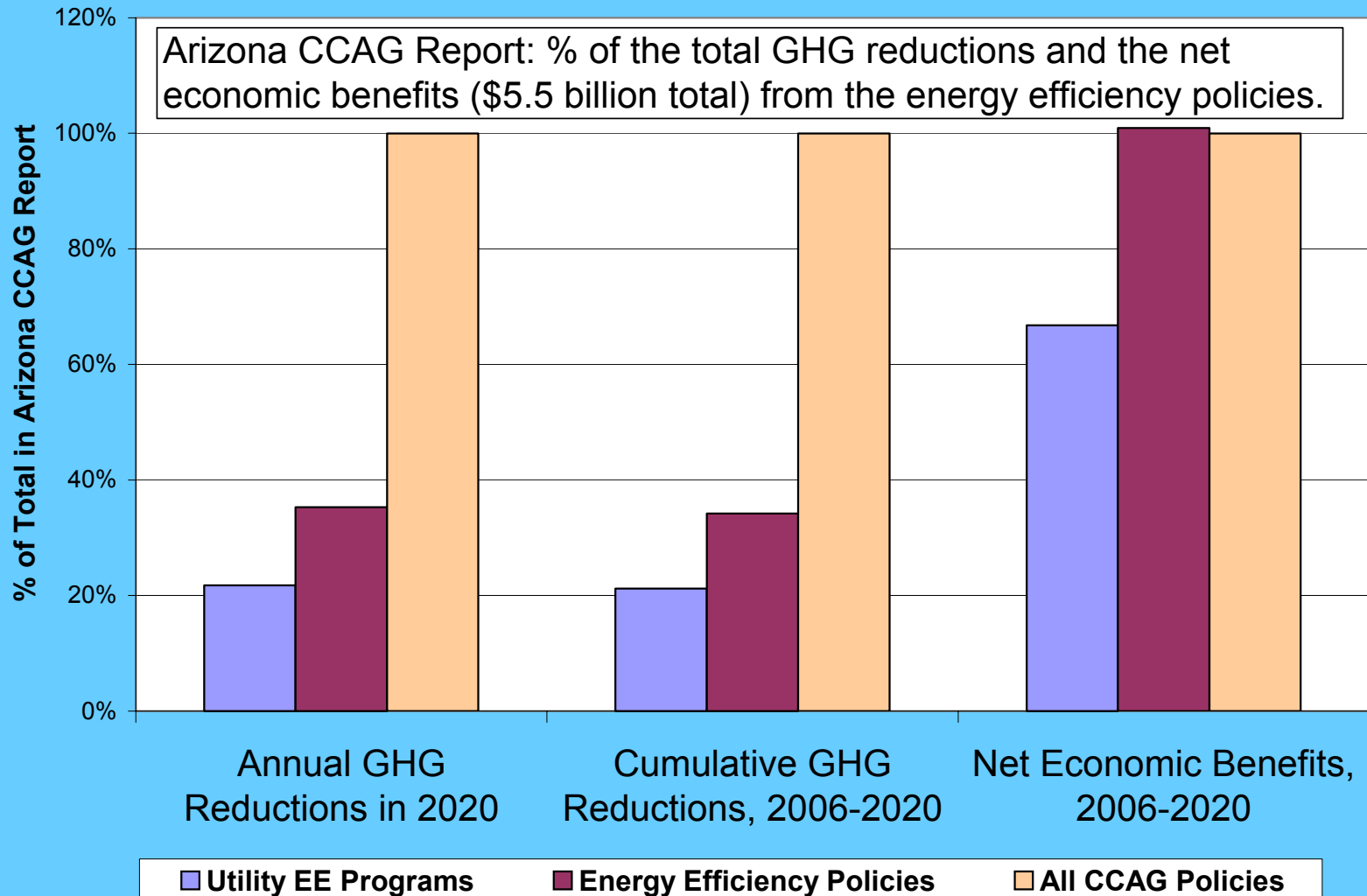
SRP Also Facing High Growth in Peak Demand



Energy Efficiency Reduces Peak Demand and Demand Growth



Energy Efficiency Provides 1/3 of the GHG Reductions, and \$5.5 Billion in Net Economic Benefits



New Homes – Three Part Approach

- Push the envelope
 - Homes that meet the federal tax credit (50% more efficient) and zero energy homes
- Mainstream/mass market
 - Energy Star/Power Wise homes
- Bring up the bottom
 - Building energy codes and standards, with code support and training

Commercial New Construction

- Early alert and lead generation system – identify projects years in advance
- Design assistance and technical support during the design process
- Financial incentives to encourage design and installation of very efficient measures and to reduce first cost reengineering
- Leverage LEED and other systems
- Commissioning to ensure the building performs as designed

Other EE Programs

- Retail products and lighting
- Swimming pools
- Residential HVAC and quality installation, and umbrella residential existing homes
- Low income weatherization
- Schools and government facilities
- Commercial existing facilities (retrofit and equipment replacement)
- Small business (direct marketing, direct sales, contractor delivered program)

Southwest Energy Efficiency Project (SWEEP)

Jeff Schlegel

520-797-4392 Tucson office

520-907-1088 mobile

schlegelj@aol.com

Beth Troncone

480-748-1714

etroncone@gmail.com

www.swenergy.org