Counting on Energy Efficiency as a Resource, Now and in the Future

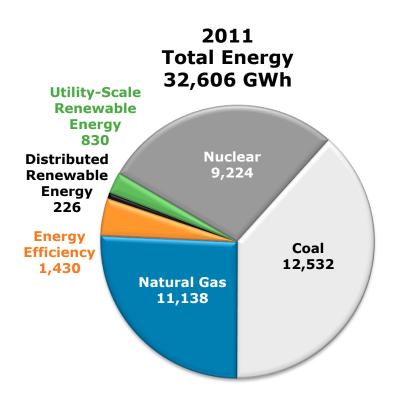
Jeff Guldner
Vice President, Rates & Regulation
Arizona Public Service

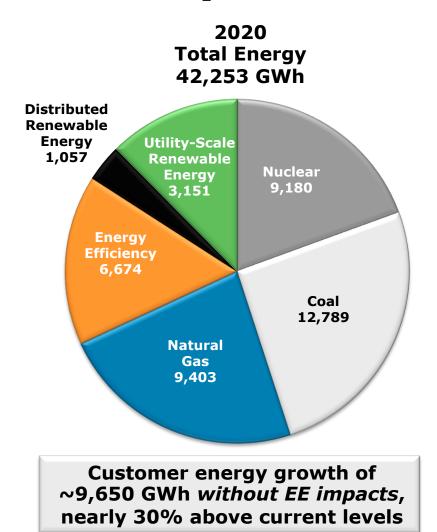
2011 ACEEE Energy Efficiency as a Resource National Conference September 26, 2011



EE and Resource Diversity

Energy efficiency is the fastest growing resource at APS, reaching 16% of total resources and 19% of retail sales by 2020

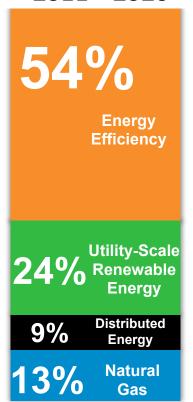






Meeting Energy Growth

APS Energy Growth Sources 2011 - 2020



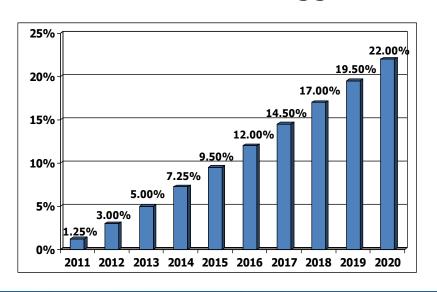
- Over 85% of our energy growth for the 10 year planning horizon is anticipated to be met by
 - Renewable Energy
 - Energy Efficiency
- Natural gas generation enables integration of renewable resources while meeting peaking requirements
- More reliance on customer program participation
- Consistent with energy efficiency and renewable energy standards



EE Standard in Arizona

Savings equivalent to 22% of Retail Sales by 2020

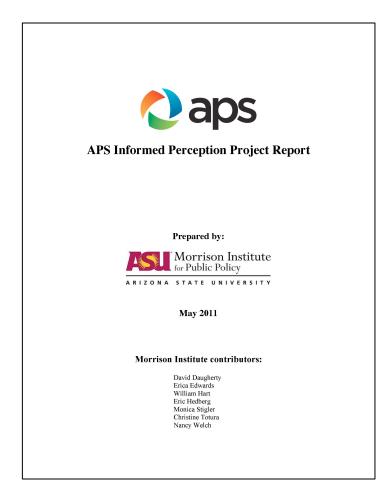
- Passed by ACC in 2010; effective 1/1/2011
- Different than Renewable Energy Standard; no overlap
 - Renewable Standard = 15% by 2025
- Energy savings of about 20% by 2020 (2% DR credit)
- Cumulative savings from 2005 to 2020 counted
- One of the most aggressive EE standards in the country

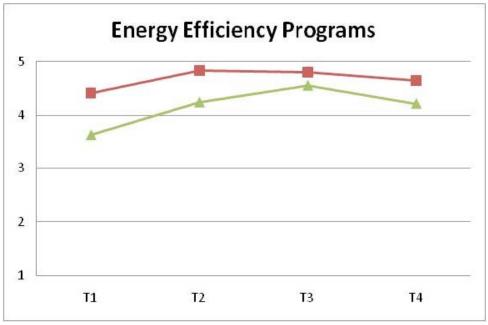


Annual incremental savings from DSM programs starts at 1.25% in 2011 and grows to 2.50% by 2016



Informed Perception Project

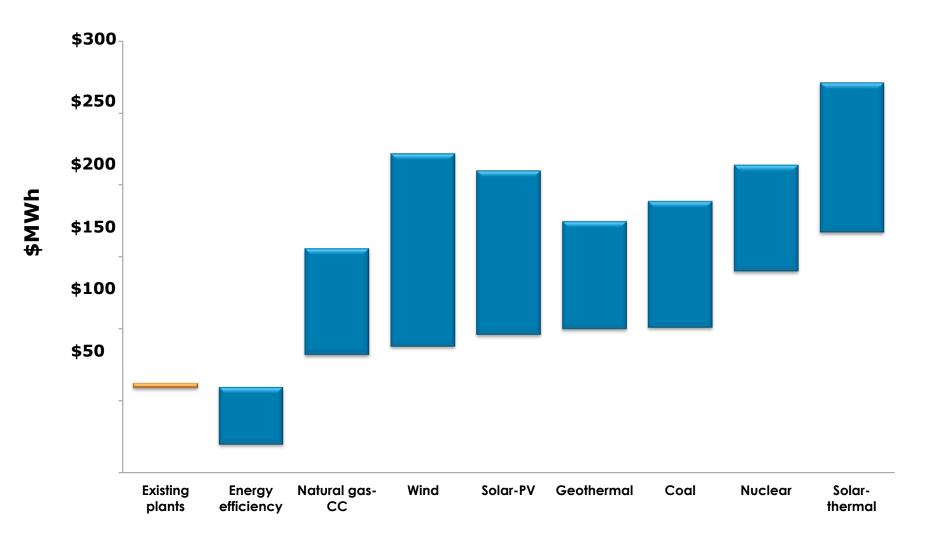








New Resource Costs





Customer Outreach and Education



azenergy future.com



