

July 13, 2018

ENERGY EFFICIENCY IN ARIZONA

MAKING CHANGES THROUGH NEW
CONSTRUCTION AND ENERGY STAR



SR. PROGRAM MANAGER

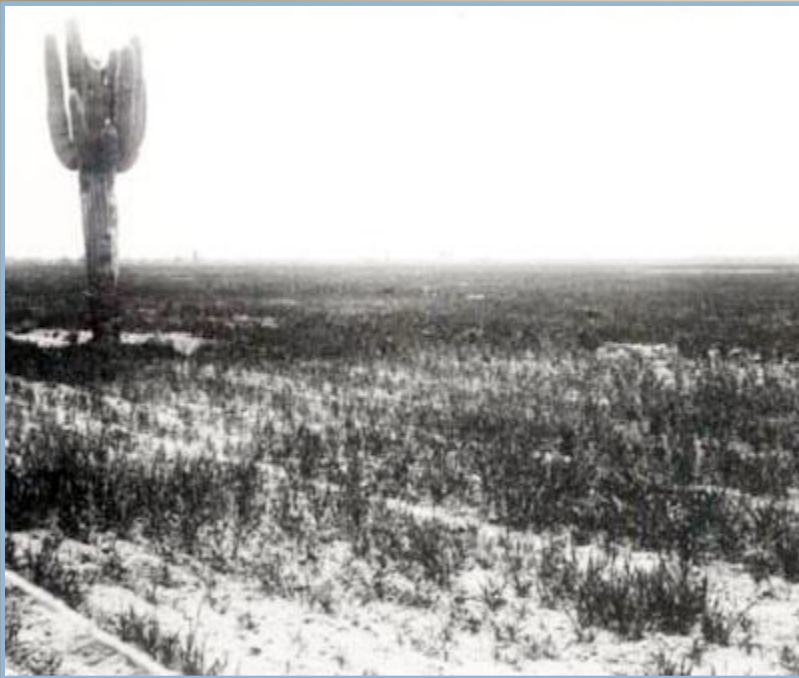
- 18 Years with SRP
- Bachelor in Business & Psychology from A.S.U.
- HERS Rater and Certified Energy Manager
- Background
 - Senior Program Mgr - EE
 - 12 years as Builder Account Manager with SRP



Rebecca Smout
SRP Program Manager

IT STARTED WITH A NEED FOR WATER...

- 1865 - 1890's - Early Settlement in the Salt River Valley



GROWTH – FARMLAND TO URBAN

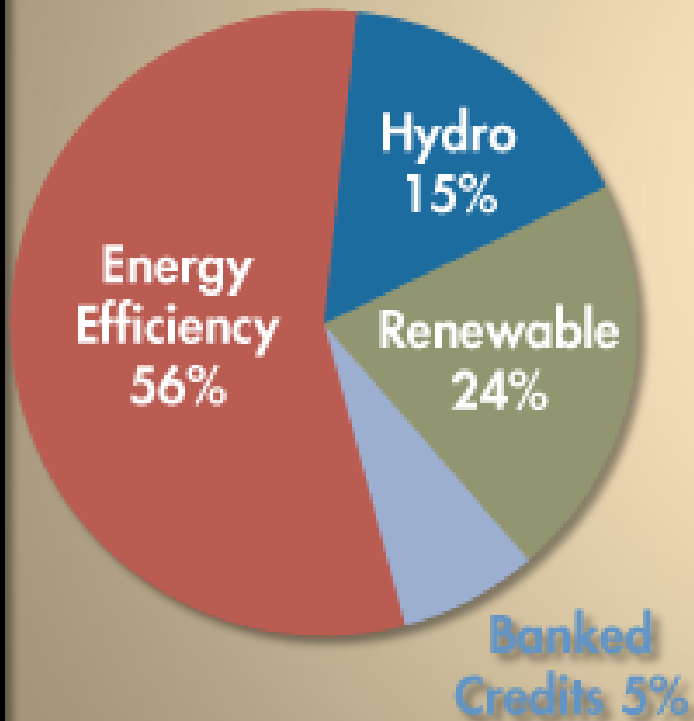
June 17, 1902: National Reclamation Act

SRP today - over 1,000,000 customers



SRP'S SUSTAINABLE PORTFOLIO

Fiscal Year 2017 Year End Results



**20% of Retail Sales by 2020
from Sustainable Sources &
Demand Reduction Programs**

- Hydro
- Wind
- Landfill Gas
- Solar
- Biomass
- Geothermal

ENERGY EFFICIENCY IN ARIZONA

PAST

FUTURE

PAST

PRESENT

FUTURE

ENERGY EFFICIENCY OF THE PAST

Block Homes

- Evaporative Cooling

Wood Framed Homes

- Poorly Insulated



HOME is where the HEART is!

Ralph Haver, architect

If Home is beautiful, durable, economical and insulated.

100% **SUPERLITE** masonry construction is the solution
BRICKS AND BLOCKS

Builders Supply
CORPORATION

4012 N. Central
Phone 5-4755
Phoenix

842 W. Main
Phone 5813
Mesa

ENERGY EFFICIENT FEATURES

In the 90's change was upon us...



DRY LAND IS A MYTH!

ENERGY EFFICIENT FEATURES

In the early 2000's some major changes...



ENERGY EFFICIENT FEATURES

From 2008 to 2012 it got serious!



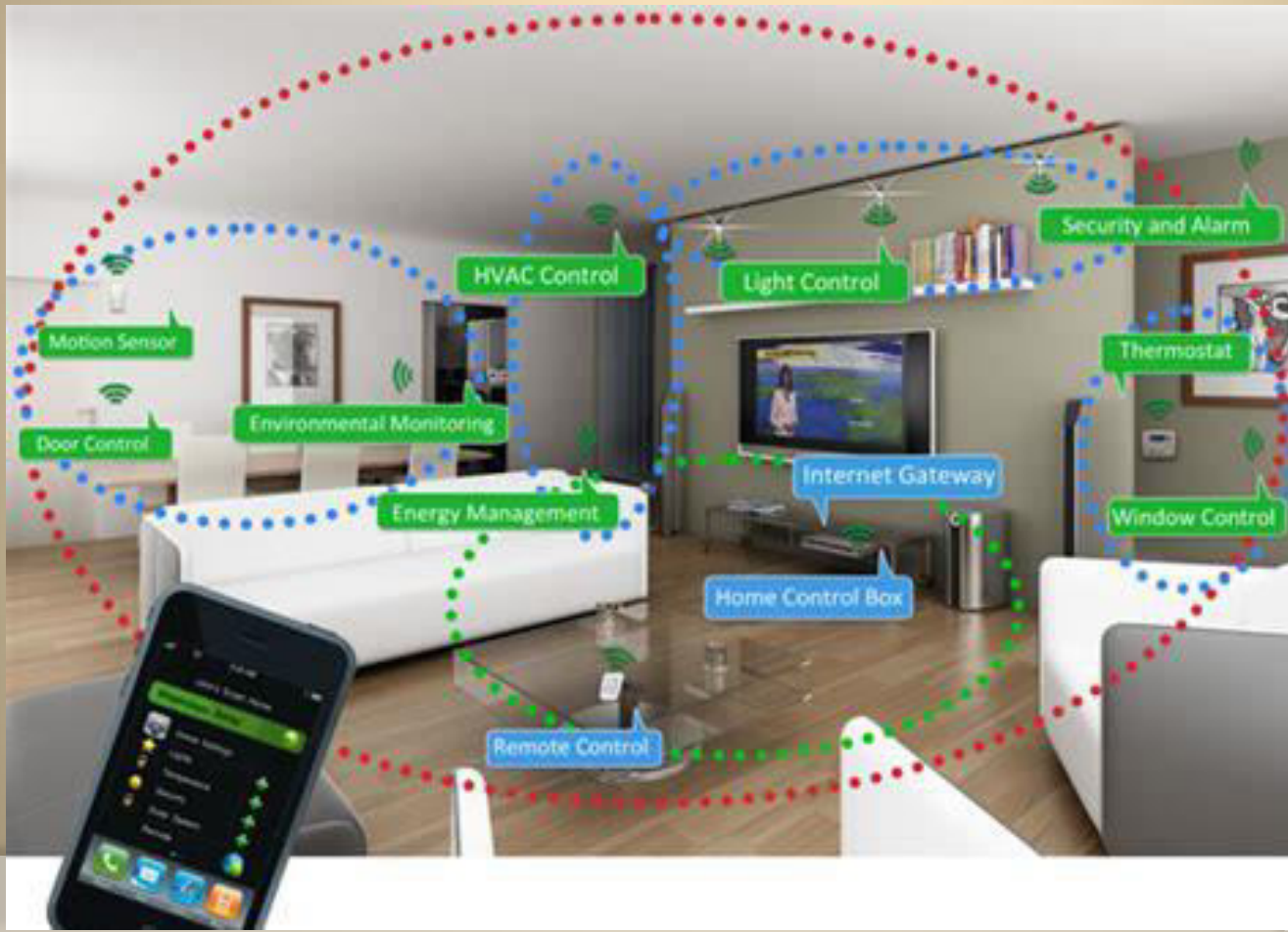
2014 - 2018 PRESENT DAY ENERGY STAR PARTNER OF THE YEAR

- 70% of new homes in our territory participate SRP ENERGY STAR Homes program
- Spray Foam and ducts in conditioned space
- * 16 SEER (*not required) but many builders have moved to this level to improve their HERS score
- * Instant Gas Water Heaters
- HERS range 65 to 50!
- Wi-Fi Thermostats
- * Indoor Air Plus
- And more...



ENERGY EFFICIENCY OF THE FUTURE

Controls – Home Automation Demand Management



ENERGY EFFICIENCY OF THE FUTURE



ENERGY EFFICIENCY IN ARIZONA

Questions/Comments??

