

Integrated Resource Plan

Public Advisory Meeting



Integrated Resource Planning

- Required by NMPRC Rule - NMAC 17.7.4
- Filed With the PRC Every 4 Years
- Includes 4-10 Year Planning Horizon
 - Gas Supply and Demand
 - System Capacity
 - Energy Efficiency
 - Identification of Needed Projects



IRP Considerations

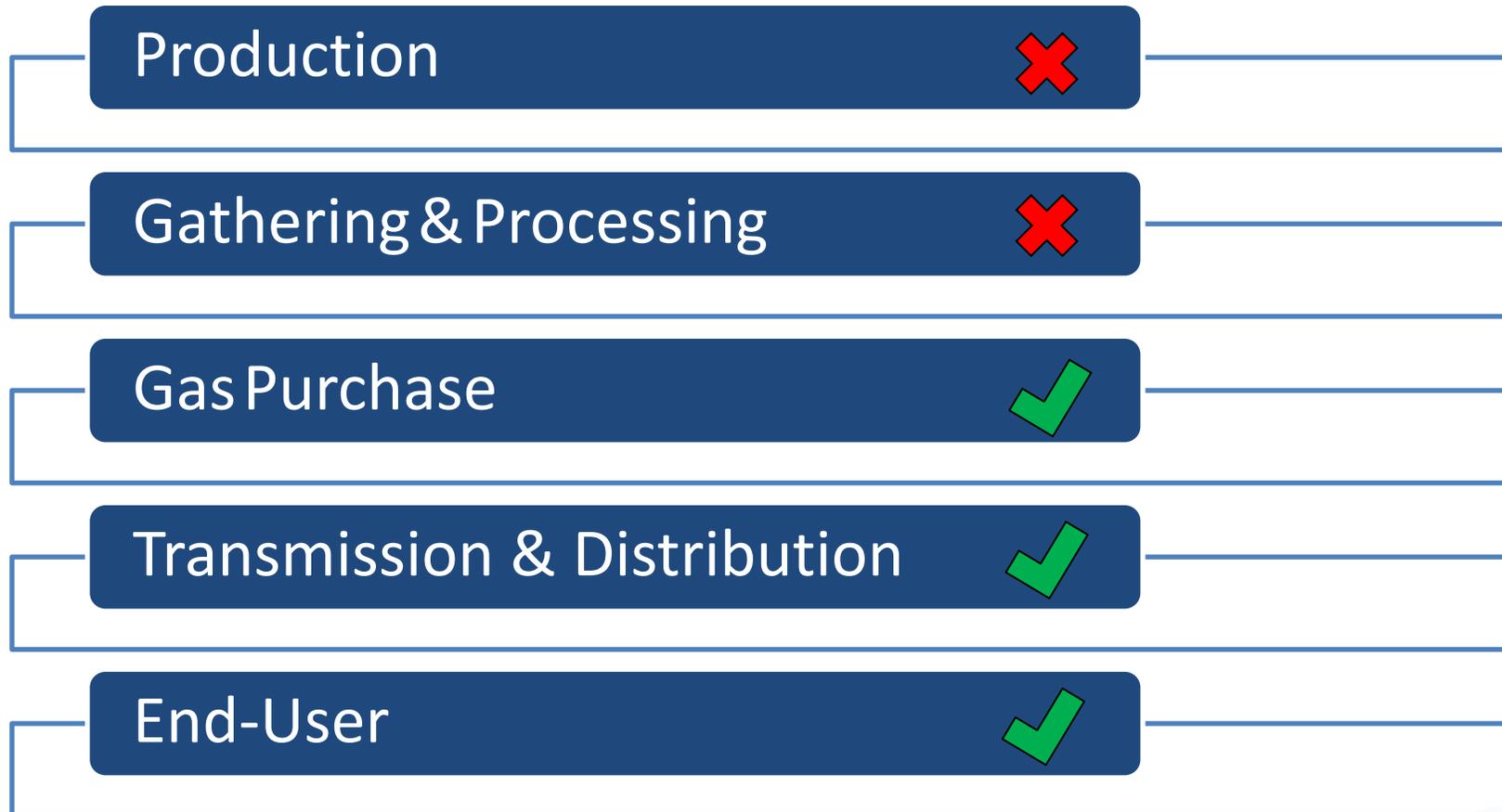
- Evaluating Current Capacity vs. Forecasted Demand (10 years)
- Includes Extreme Weather Events and Customer Growth
- Evaluate Supply and Demand-Side Resources
- Propose Measures to Ensure Safe, Reliable, and Cost-Effective Gas Service
- Energy Efficiency Program



Gas Supply



Natural Gas Supply Chain



Natural Gas Production Basins

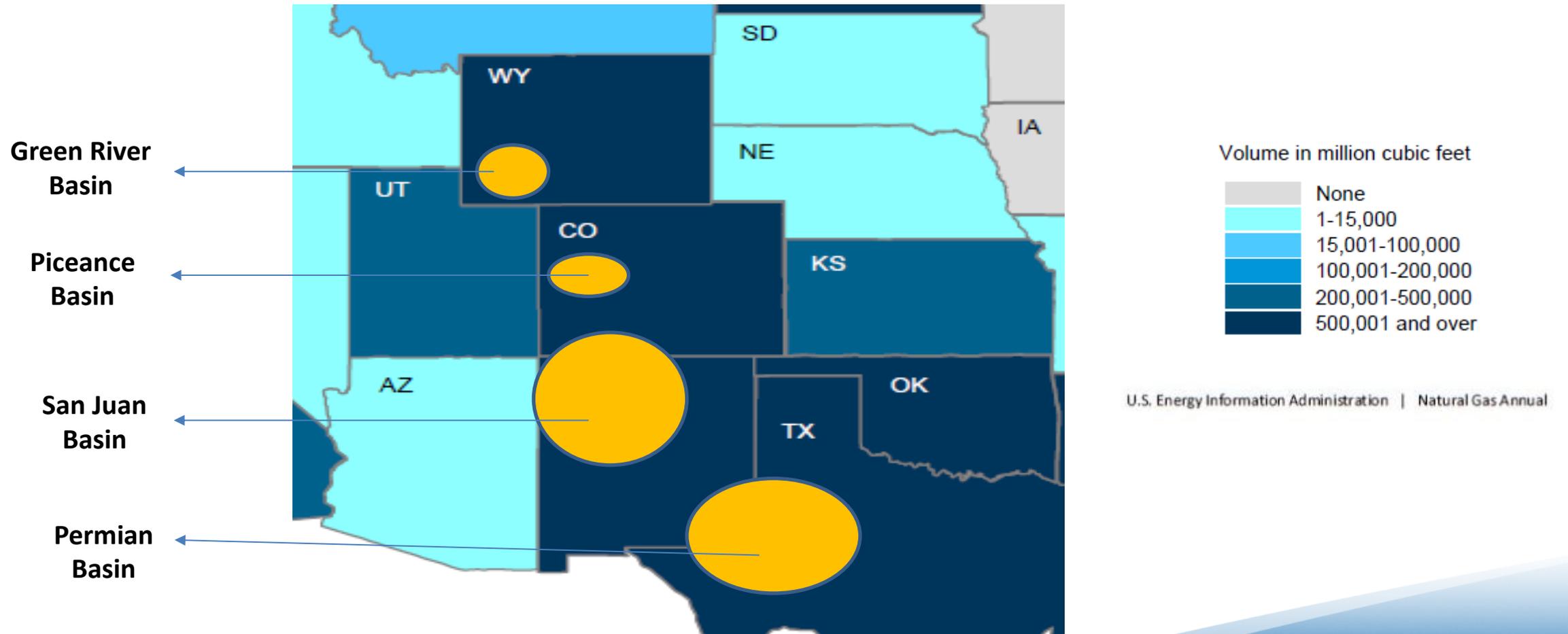
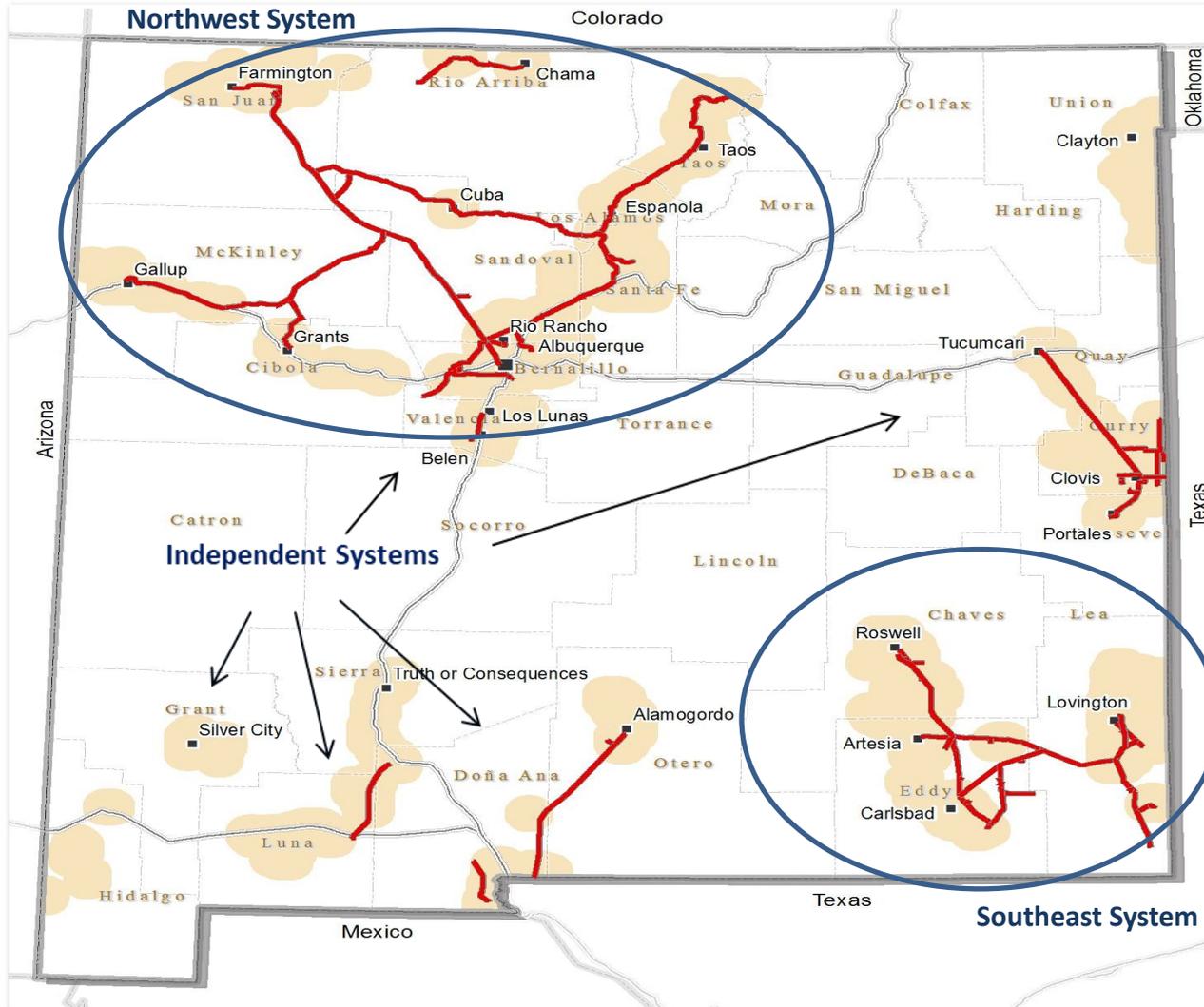


Figure 3. Marketed production of natural gas in the United States and the Gulf of Mexico, 2017

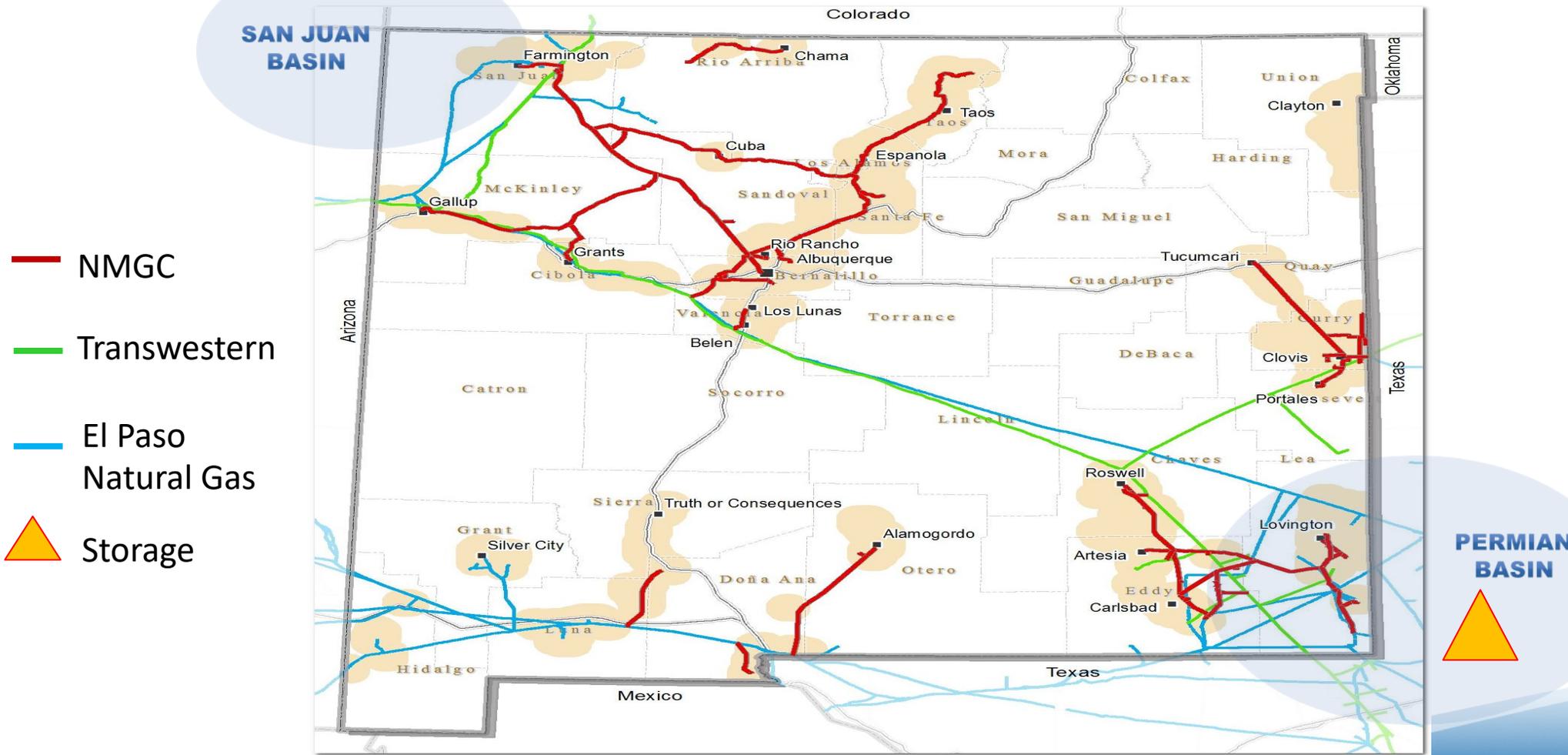


NMGC System Overview



- ~12,000 miles of Transmission and Distribution Pipeline
- ~524,000 Customers in 26 Counties
- ~77 Bcf of Annual Throughput
- Three Separate Systems
 - Northwest
 - Southeast
 - Independent

NMGC's Access to Gas Supply



Resource and Infrastructure Enhancements

- Completed Projects
 - Rio Puerco Mainline Looping
 - Serves Albuquerque, Santa Fe, Espanola, Los Alamos, Taos, and Red River
 - Completed October 2016
 - Taos Mainline Reroute
 - Serves Taos, Questa, Red River
 - Completed March 2018



Resource and Infrastructure Enhancements

Planned Projects Northwest System

- Santa Fe Mainline Looping
 - Serves Santa Fe, Espanola, Taos, Questa and Red River
 - Provides for Growth and Reliability
 - Planned in Phases Between 2018-2022
- TW Rio Puerco Compression
 - Install New Compression and Piping at TW Rio Puerco
 - Provides for Growth and Reliability
 - Planned Completion Fall 2020

Planned Projects Southeast System

- Malaga Pipeline
 - New Supply of Gas Directly Connected to the Southeast System
 - Provides Supply for Growth and Reliability
 - Planned Completion in October 2020



Energy Efficiency Programs



Energy Efficiency

Residential Programs

- Water Heating – ENERGY STAR Tankless and Storage Tank, High Efficiency Showerheads and Aerators
- Space Heating – ENERGY STAR Furnaces and Boilers, Insulation and Smart Thermostats



Energy Efficiency

Commercial Programs (Efficient Buildings)

- Direct Install Measures – High Efficiency Showerheads, Aerators, Pre-Rinse Spray Valves and Weather-stripping
- Prescriptive Measures – Commercial Food Service Equipment, Space Heating, Water Heating, and Pipe Insulation
- Custom Measures – Any Natural Gas Process that can be Reduced through Energy Efficiency Implementation



Energy Efficiency

Income Qualified Programs

- Single Family Weatherization – Energy\$mart Program
Weatherizing Whole House Measures That Affect Natural Gas Usage
- Native American Program – Program is Proposed for 2020 – 2022 Specific to the Native American Communities, Providing Similar Services Offered in the Energy\$mart Program



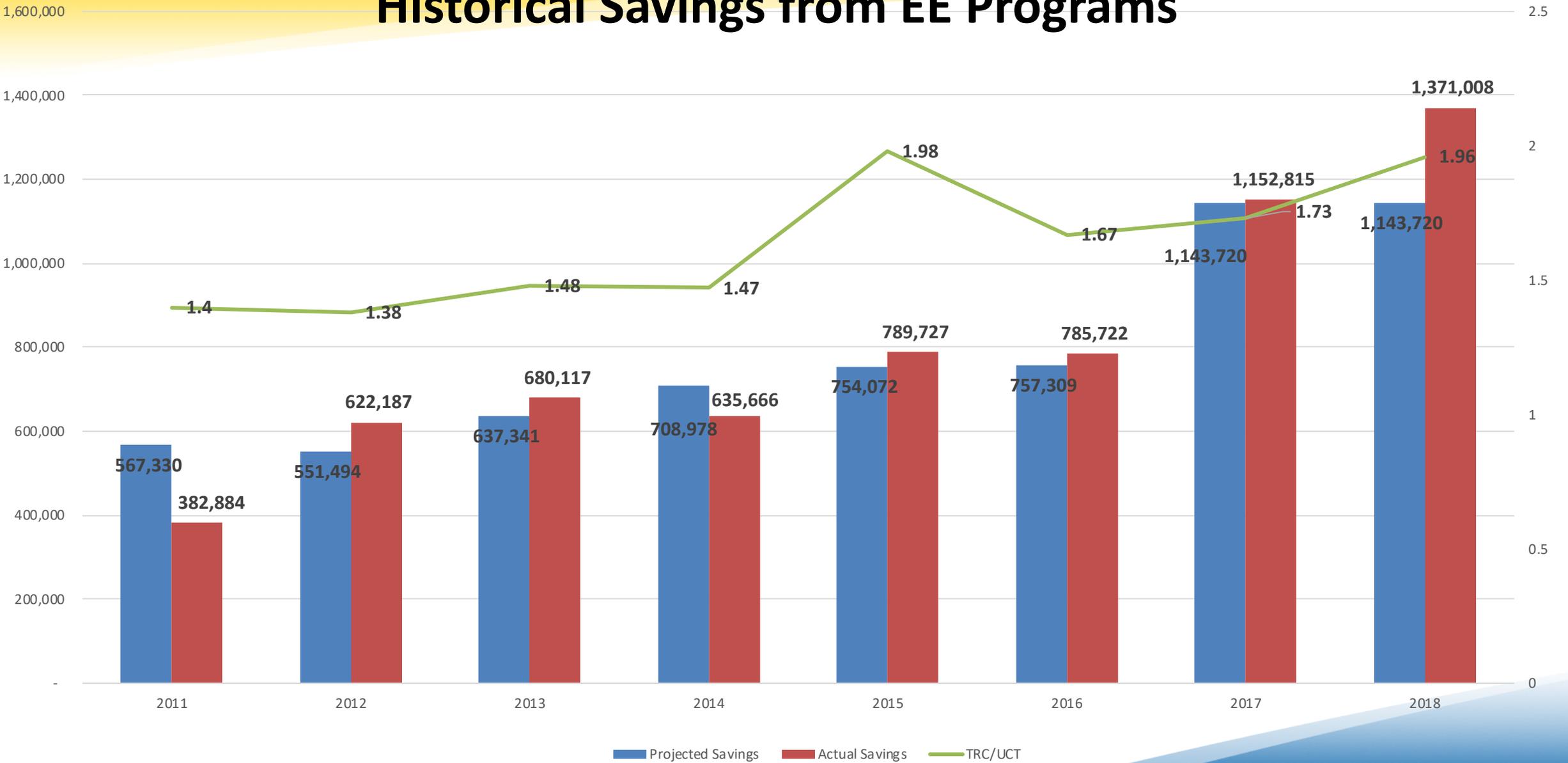
Energy Efficiency

Multi-Family Program

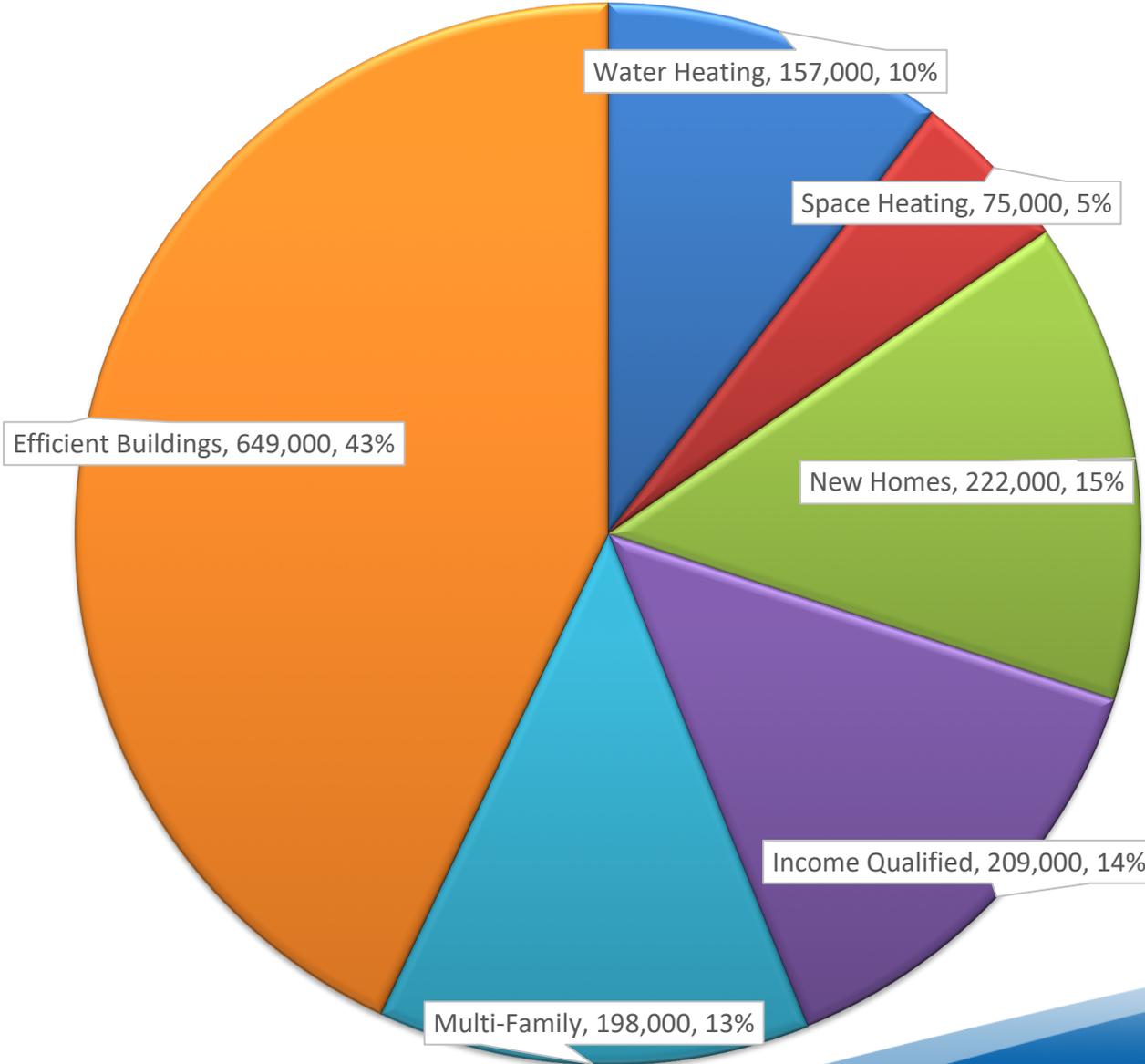
- Low Income Properties and Market Rate Properties
 - Work with Property Owners to Increase Energy Efficiency in their Apartments and Reduce Tenants Energy Costs



Historical Savings from EE Programs



Estimate 1.5M Annual NET Therms Saved 2020-2022



Discussion



Thank You!

