

# UAMPS Stakeholders Perspective

February 14, 2018



# Description of UAMPS

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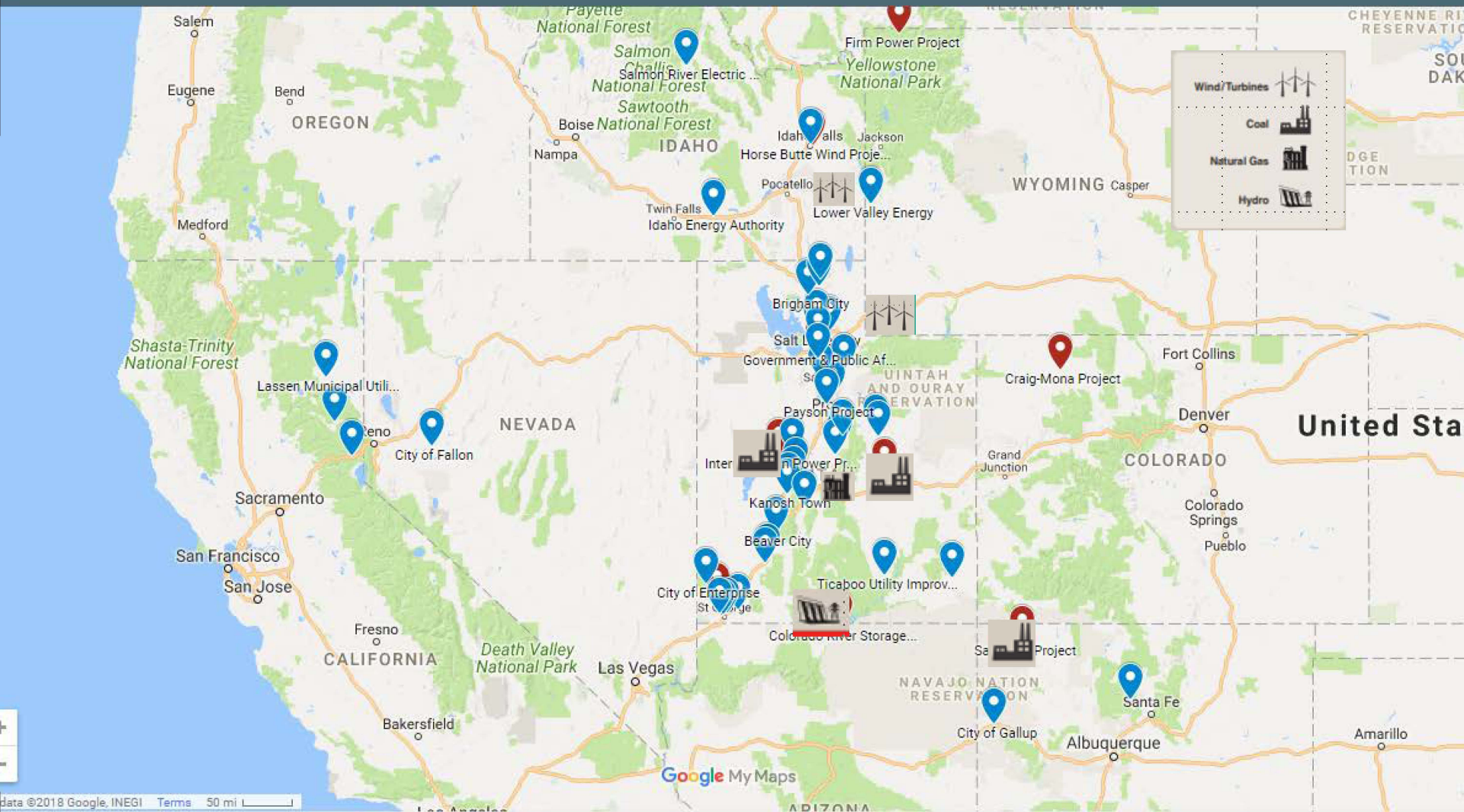
- UAMPS is an Energy Services Interlocal Agency
  - Created in 1980 under State of Utah statutes
  - 46 members in 7 Western states
    - Most are municipal electric utilities
    - Offer an array of various services and projects
      - Members free to develop their own projects w/o the group

# UAMPS Organization

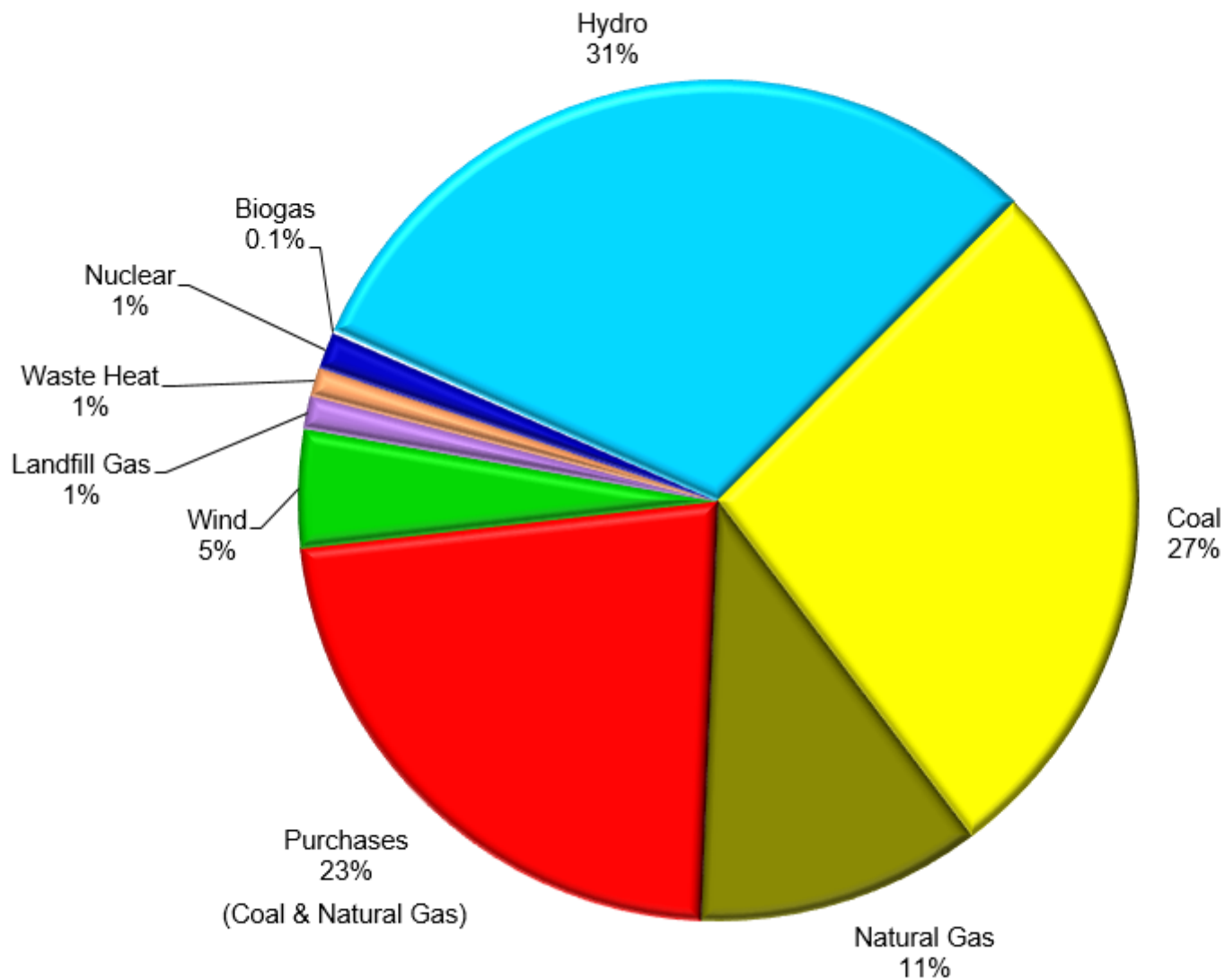
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- Energy Services
  - Assist members in their energy needs
    - Individual project's production are integrated into a schedule
    - Must match each member's use each hour
- Project-Based
  - 17 projects of various categories
    - Colorado River Storage Project (CRSP) being one of those UAMPS projects
- Not-for-Profit
  - All costs are passed to member's rate payers

## UAMP Members And Projects



## UAMPS Resources by Type: 2017



# UAMPS' Concerns

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- Future of carbon emitting generation
  - Coal
  - Natural gas
    - Declining costs – increase in number of generation units
    - Does emit carbon dioxide

# UAMPS Carbon Free Power Project

Energy Efficiency

Renewable  
Energy  
Resources  
Hydro, Solar  
And Wind



Small Modular Nuclear  
Reactors

# UAMPS' Member CRSP Resource

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- As early as 1975, CRSP covered 100% of member loads
  - Currently approximately 30% - due to load growth
- Initially, CRSP cost of power was higher than other conventional power resources
- CRSP had the ability to rapidly respond and follow load changes



# UAMPS Involvement in Glen Canyon Dam Issues

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- Significant component of member's resource base
  - Members have had a keen interest in Glen Canyon Dam operations issues
    - Early 1980's – Glen Canyon Dam operation studies
    - CRSP Power Sales Contract Reallocation process
      - Federal Court Lawsuit over environmental impacts of power peaking
      - WAPA agreed to an EIS on Post 1989 Marketing Plan
    - 1992 Grand Canyon Protection Act – creation of AMWG

# UAMPS Participation in AMWG

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- Concerns of Glen Canyon Dam operation changes:
  - Reductions in capacity output
  - Limitations on ramp rates
  - Cost impacts of experimental flows
  - Ability of other stakeholders to share of cost consequences
  - CRSP operation changes influences other power resources
    - Replacement of peaking capacity
    - Restrictions of capacity replacement
    - Power cost v. availability integrate with other power resources

# UAMPS AMWG Participation Objectives

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- Understanding of issues and concerns of other stakeholders
  - Identifying the balance and conflicts of many complicated issues
- Assisting to provide the awareness of power production impacts due changes in GCD operations
  - Awareness of power revenue support
    - Project repayment of the entire CRSP system
    - Cost support of AMP
    - Cost support of Colorado Basin recovery programs
- Awareness of cost limits of CRSP power resources
  - Price competition of other resources leads to constant reevaluation of CRSP resources



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