PUBLIC UTILITIES COMMISSION OF NEVADA - A RESEARCH DESIGN FOR DATA COLLECTION

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PROJECT GOAL:

- To develop a system for PUCN to collect “reliable data...by low-income and elderly...that’s something that would be routinely beneficial for [PUCN Staff]”. 
RECOMMENDATIONS

- Conduct a statewide survey
- Develop a procedure for hearings
- Distribute an informational brochure for consumers
SUMMARY OF THE PROBLEM
THE TARGET POPULATION

- Target Population
  - Low-income
  - Elderly

- 77% of the population
- 23% of the population
- 5% of the population
FACTORS AFFECTING THE TARGET POPULATION

- Financial Considerations
  - 20% considered low-income
  - No disposable income
  - Health expenses

- Energy Consumption
  - The Research

- Other considerations
  - Medical Equipment
  - Health factors
  - Home maintenance
FACTORS AFFECTING THE TARGET POPULATION

- Strategies
  - Assistance Programs
  - Education
    - Purpose of rate increases
    - Energy conservation tips
IMPACTS ON RATES

- Renewable Energy regulations
- Smart Meters
**IMPACTS ON RATES**

- **Dynamic Pricing Structures**
  - Real-time
  - Critical peak
  - Time of Use

![Bar Chart](chart.png)

- **DPT-Time of Use Rates**
  - Standard Base Rate: 0.06311
  - Core Summer Off-Peak: 0.0158
  - Shoulder Summer Off-Peak: 0.0158
  - Winter All Other: 0.0158
  - Shoulder Summer On-Peak: 0.1054
  - Core Summer On-peak: 0.41015
THE SOLUTIONS
DATA COLLECTION

- Survey
- Random Sampling
- Types of Administration
  - Phone
  - Mail
  - Personal contact
- Partnerships are key!
ADDITIONAL RECOMMENDATIONS

- Handout-for the general public
  - Conservation Tips
  - Consumer Bill of Rights
  - Factors of Rate Increases
  - Where to get help

- Other recommendation
  - Procedure
QUESTIONS?