

ARRA Funding Energy Efficiency & Solar Projects

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Who is SRP?

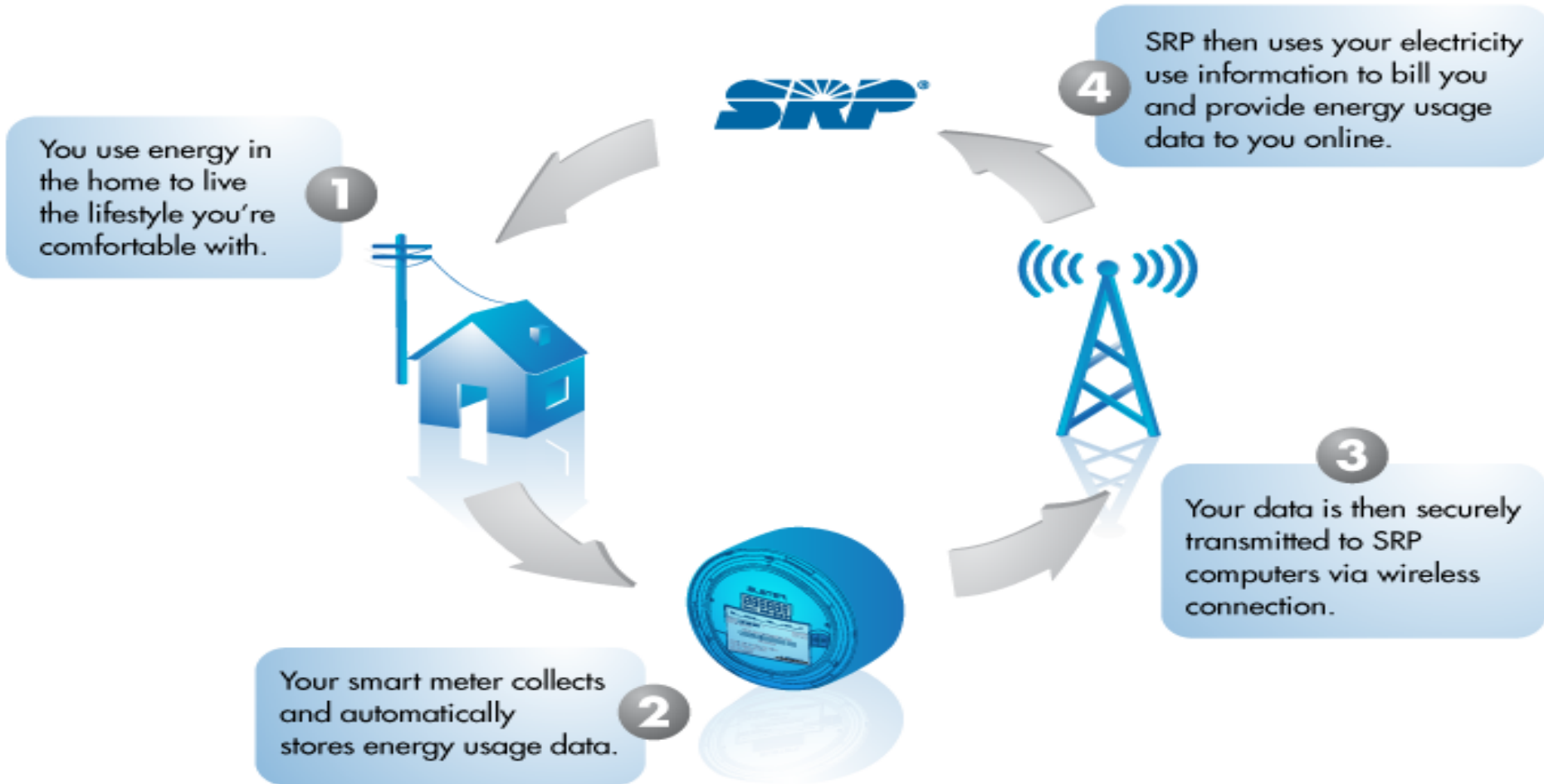


- Established in 1903
- 105 year steward of the environment
- Largest water supplier to Valley
- Third largest public power utility in the Nation
- 935,000 electric customers
- 250 MW new generation needed annually

Stimulus Funding – Energy Efficiency

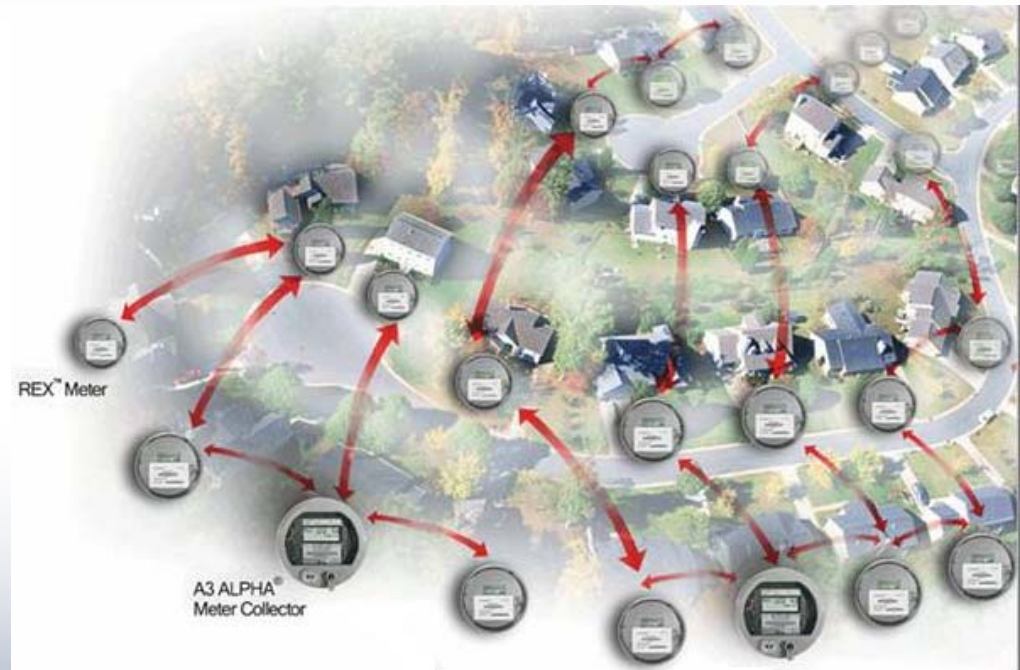
- **Federal Recovery Act funded \$3.4 billion in Smart Grid Investment Grants, which are managed by the U.S. Department of Energy (DOE)**
- **Purpose of this funding is to accelerate modernization of the nation's electric grid and promote investment in smart grid technologies**
- **DOE awarded funding to 100 projects out of approximately 400 projects that applied**
- **SRP received \$56.9 million award for its Smart Meter Project**

What is a Smart Meter?



Smart Meter Project

- Total estimated project cost is \$114 million, including a funding match by SRP
- Project to fund:
 - Approximately 500,000 Elster smart meters
 - Meter Data Management System



Stimulus Funding – Solar

- Federal Recovery Act funded \$55.5 million to the State of AZ Energy Program, which is managed by the AZ Department of Commerce (ADOC)
- ADOC allocated \$10 million of funding for the Distributed Energy Leadership Program
- Purpose of this funding is to increase/match utility incentives for distributed energy projects
- SRP received \$3.1 million award for solar projects
 - Income-Qualified Residential Solar Programs
 - Solar for Schools – Phase II

Income-Qualified Programs

- Total estimated project cost is \$2.2 million, including a funding match by SRP
- Project will:
 - Fund purchase/installation of solar systems on low-income households
 - Assist between 85-165 customers
- Partnership with non-profit groups



Solar for Schools – Phase II

- Total estimated project cost is \$4 million with \$2 million for Phase I and \$2 million for Phase II
- Project to fund the installation of 10-kilowatt solar electric systems on approximately 30-35 schools
- Schools will offset their energy usage while obtaining a valuable educational tool for students



Extending Residential Stimulus Funding



- **Residential Solar Electric Incentive Program**
 - \$2.15 per watt up to \$10,750
 - 1,433 systems installed to date
- **Residential Solar Water Heating Incentive Program**
 - \$0.50 per kilowatt hour (kWh) of energy savings
 - 2,328 systems installed to date

Extending Commercial Stimulus Funding

- **Commercial Solar Electric Incentive Program**
 - Receive \$2.00 per watt up to \$60,000
 - Performance based incentives – 30-300 kilowatts
 - \$0.147 per kWh for 20 years/\$0.188 per kWh for 10 years
 - 67 systems installed to date
- **Commercial Solar Water Heating Incentive Program**
 - Receive \$0.50 per kWh energy savings up to \$100,000
 - Performance based incentive for larger systems
 - \$0.08 per kWh for 20 years
 - 6 systems installed to date

Questions?