



## Community Advisory Committee

3/24/2008

### Updated System Goals

(Based on updated committee input 3-13-08)

**Reliability:** Provide reliable electric service to all Idaho Power customers in the Magic Valley service area.

- Provide adequate system capacity to satisfy N-1 conditions (for main grid transmission) throughout the Magic Valley service area
- Provide redundant systems that provide a minimum of N-1 capability (for main grid transmission) throughout the Magic Valley service area
- Continue maintenance and operation programs that ensure optimum reliability

**Efficiency:** Plan, manage and operate the Magic Valley electrical system for optimum efficiency

- Plan and develop efficient systems that require fewer new lines, fewer line miles and fewer substations, including consideration for distributed generation
- Maintain reasonable costs to customers for electrical service

**Energy Conservation:** Optimize conservation of electrical energy resources

- Design and operate the electrical system to conserve electricity
- Provide effective public education programs regarding efficient use of electricity, conservation, etc.
- Develop and offer all feasible and applicable energy conservation programs and incentives throughout the Magic Valley service area
- Encourage as much as feasible, the use of energy efficient design and operation in new building construction

**Environment:** Avoid or minimize impacts to the environment from the electrical system

- Avoid negative impacts from electrical facilities and system operation on the natural environment, sensitive resources and wildlife habitat ; mitigate unavoidable negative impacts where appropriate
- Avoid or minimize the negative aesthetic and visual impacts caused by the development and operation of electrical system facilities; mitigate unavoidable negative impacts where appropriate
- Do not construct / operate electrical facilities in designated scenic byways or that negatively affect other tourism assets
- Support the burying of electrical transmission lines where feasible to avoid undesired visual impacts and support desired community design and function
- Avoid negative impacts and interference to agricultural lands and operations; mitigate negative impacts where appropriate
- Utilize generation resources available in the Magic Valley where feasible

**Planning and Design:** Plan and design of electrical system facilities that effectively meet the Magic Valley's current and future electrical demands

- Identify and accommodate the electrical needs of defined growth areas
- Minimize the physical "footprint" of electrical facilities
- Utilize distributed generation wherever feasible to minimize the amount and extent of new electrical facilities
- Upgrade / expand existing electrical facilities wherever feasible to minimize the need for construction of new facilities
- Incorporate multiple lines (transmission and distribution) on each pole system when feasible to reduce the need for additional / new pole systems
- Accommodate / incorporate the use of cogeneration projects as much as feasible, while meeting other system goals
- Plan, design and construct facilities on an as needed basis, with consideration to anticipated needs
- Protect and minimize impact to existing structures from new facility design

**Siting:** Site new facilities with an effective balance between system needs and area resident concerns

- Utilize existing electrical and transportation corridors where feasible when siting new electrical transmission facilities
- Avoid siting new facilities in residential areas
- Place substations out of developed areas where feasible
- Site new substations early to minimize conflicts with development