Modesto Irrigation District

Impacts of SWRCB's Proposed 35% Unimpaired Flow Criteria

Preliminary analysis shows significant impacts to MID

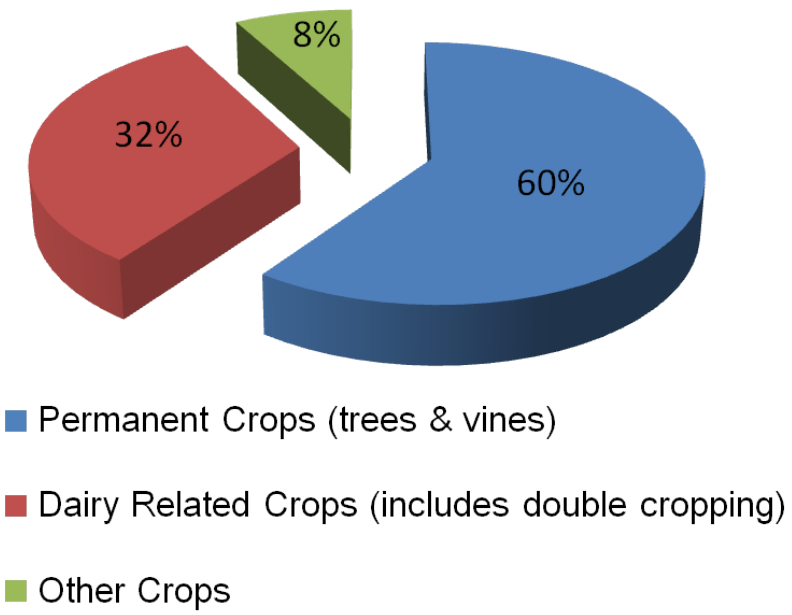
- Potential loss of up to 100,000 acre feet of water supply per year
- Economic impacts to our community estimated at $15.5 million per year
- Power supply revenue loss estimated at $0.5 million per year

Significant Potential Impacts

- Farm water supply
  - *Production*
  - *Ag related industry*
  - *Ag related jobs*
- Drinking water supply
  - *Conjunctive use program*
  - *Commercial and industrial production and jobs*
- Hydroelectric generation
  - *Loss of peak time flexible power generation*
  - *Increase in carbon emissions to serve load*

Farm Water Supply

- Potential loss of:
  - *Almost 50% of MID's irrigated acres*
  - *100 jobs in MID's service area*
  - *More than 800 family farms* in our region.*
    *(*up to 250 acres)*



Drinking Water Supply

Modesto Regional Water Treatment Plant

- *Owned & operated by MID*
- *Provides drinking water to the City of Modesto*
- *Produces approximately 30 million gallons per day (half of Modesto's needs)*
- *Expansion facilities to bring maximum production to 60 million gallons per day.*

Drinking Water Supply (cont.)

- Benefits of conjunctive use
  - *To the environment*
  - *To the community*

- SED calls for reduced diversions of surface water
  - *Proportional reduction to Modesto's drinking water supply*
  - *Increased groundwater pumping*
  - *Further aggravates depressed local economy*

Hydroelectric Generation

- Hydro generation is fastest, most flexible resource
  - *Hydro loss during summer when MID's load needs 33% more flexibility over typical February or March day*
  - *More hydro generation at a time of low demand*
  - *Less hydro generation at peak summer demand*
- More pump load required as groundwater replaces lost surface supply to meet irrigation & drinking water demands

Hydroelectric Generation (cont.)

- Conflicting state policies
  - *Replacement energy more costly*
  - *Replacement energy has higher carbon emissions*

- Power supply revenue loss estimated at $0.5 million per year

Significant Impacts

- To agricultural water supply
- To drinking water supply
- To clean energy generation
- To economic vitality of the community