The Effects of the Drought on Fresno County

Harnak (Hank) S. Gill, R.E.H.S., I/A, AMI, M.P.H.
Supervising Environmental Health Specialist
Department of Public Health
Trouble in Fresno County?

- Yes – we are known as the bread basket of the world.
- Without water or dwindling supply we are in trouble like everyone.
- Raw data from DPH will show how drastic the issue is.
- Ag and domestic water well data
Ag Wells
Water wells used to supply water only for irrigation or agricultural purposes.
<table>
<thead>
<tr>
<th>Year</th>
<th>New</th>
<th>Replace</th>
<th>Total</th>
</tr>
</thead>
<tbody>
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<td>2013</td>
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<tr>
<td>2014</td>
<td>535</td>
<td>165</td>
<td>700</td>
</tr>
<tr>
<td>2015</td>
<td>731</td>
<td>224</td>
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</tr>
<tr>
<td>2016</td>
<td>192</td>
<td>64</td>
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</table>
Definition

- **Individual Domestic Well**
  A water well used to supply water for the domestic needs of an individual residence or system of four or less service connections.
## Domestic Well Data

<table>
<thead>
<tr>
<th>Year</th>
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<tr>
<td>2016</td>
<td>79</td>
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</tr>
</tbody>
</table>
Costs

- **Ag well costs**
  - 300 – 600 feet approx. $130/ft
  - 700 – 1,000 feet approx. $200– $300/ft

- **Domestic Well Costs**
  - Approximately $40/ft
Sustainable Groundwater Management Act –
Directs DWR to identify basins and sub basins in conditions of critical overdraft.

Impacts Include:

- Seawater Intrusion
- Land subsidence
- Groundwater depletion
- Chronic lowering of groundwater levels
High or medium and critically over drafted basins shall be managed under a groundwater sustainability plan by January 31, 2020.

All other high and medium priority basins must be managed by the same plan but have till January 31, 2022.
Why So Long?

- Lots of agencies and groups are involved in this complex and diverse plan over 300 plus.
  - Irrigation Districts
  - Industry
  - Farmers
  - Environmental Groups
  - Safe Water Drinking groups
  - Many more........
Implications

- Water table is still dropping due to shortage
- Land is barren, no water, no ag, no food
- Food production on a decline, serious issue
- People can’t afford the price to deepen or drill a new well.
What To Do?

- We must all still conserve
- How?
  - Shorter showers
  - Don’t wash driveways
  - Don’t water or overwater lawns
  - Full loads of clothing for wash
  - Ask for water if only needed – out eating
  - Don’t run water while brushing or shaving
  - Every drop is precious
Environmental Impacts

Huge Environmental impact with water shortage:
- Global warming issues (no cool down)
- Health issues – asthma, air pollution
- Food prices – Cost
- Import vs Export – Standards diminished?
- Family Farms – In jeopardy
- Obesity – Can’t cook, fast food stop
Future

- Our old ways of doing things is gone
- Ag – Converting to drip system, efficient soil monitoring devices for water saturation results. Efficiency and cost reduction key.
- Domestic – We are now charged per gallons used instead of flat rate per residence. Metered
Questions

Contact Information: Harnak (Hank) Gill
Department of Public Health
(559) 600-3357