GSP/Alt Reg - Issue Topics

Phase 1 - Scoping (Collecting Issues and Challenges)
- All 10+ Topics (May-Jun)

Phase 2 - Draft Framework (Present and Receive Input from Advisory Groups and Public)
- 1st Batch (Jun-Jul)
- 2nd Batch (Jul-Aug)
- 3rd Batch (Aug-Sep)

- Draft Approach for GSP Development and Imp.
- Land Use and County Involvement
- Pre-Existing Conditions and Undesirable Results
- Measurable Objectives and Interim Milestones
- Water Budgets and Coordination
- Boundaries - Overlapping and Unmanaged Areas
- Intra Basin Coordination Agreements
- Alternative Submittal
- State Agency Coordination
- Data Collection, Mgt., and Reporting
- Adaptive Mgt. and Focus Areas
- GSP/Alt Regs
Practitioner Advisory Panel and Advisory Group Engagement Schedule

DRAFT Schedule
All Dates are Tentative

Phase 1 – Scoping (Collecting Issues and Challenges)
  • All Advisory Groups - May 18 through June 8

Phase 2 – Draft Framework (Present & Receive Input from Advisory Groups and Public)
  • 1st Batch (Jun-Jul)
    • Advisory Groups – June 23 thru July 14
    • Public Mtgs./Webcast – mid to late July
  • 2nd Batch (Jul-Aug)
    • Advisory Groups – July 21 though Aug 17
    • Public Mtgs /Webcast – mid to late Aug
  • 3rd Batch (Aug-Sep)
    • Advisory Groups – August 25 though Sept 14
    • Public Mtgs /Webcast – mid to late Sept
Pre-SGMA Conditions

Paths to Sustainability?

(Ex. Chronic Lowering of Groundwater Levels)
Undesirable Results

Setting Planned Goals and Significant and Unreasonable Thresholds
<table>
<thead>
<tr>
<th>Undesirable Result</th>
<th>Measurable Objective</th>
<th>Possible Threshold</th>
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| Chronic lowering of groundwater levels          | Water level at key locations              | • No less than at any time AFTER earlier mitigation of undesirable results and PRIOR to 2015, OR  
• No less than at any time prior to 2015, OR  
• No less than at any time prior to 2042, OR  
• Any fixed level arrived at through local/state political consensus about “significant and unreasonable”, driven by economic cost:  
  • Significant and unreasonable increase in pumping cost  
  • Significant and unreasonable cost of new well installation / well deepening |
| Reduction in groundwater storage                | Water level at key locations              |                                                                                                                                                |
| Seawater intrusion                              | Water level at key locations; GW Salinity | Identify seawater intrusion threat via geologic and geochemical characterization & modeling => define safe water level thresholds for land subsidence. Threshold:  
  • Higher than land subsidence-driven threshold or any of the above, whichever is higher |
| Degraded water quality                          | Porter-Cologne / anti-degradation         | • set by current and future RWB regulations  
• Use modeling and assessment to link groundwater management actions to RWB objectives                                                                 |
| Land subsidence                                 | Water level at key locations              | Identify subsidence threat via geologic characterization & modeling => define safe water level thresholds for land subsidence. Threshold:  
  • Higher than land subsidence-driven threshold or any of the above, whichever is higher |
| Depletion of interconnected surface water & adverse impacts on SW beneficial uses | Water level at key locations (within 1 mile of stream?)  
Surface critical low flows at key locations & times | Use modeling and assessment to link impact of groundwater management/use to beneficial uses of surface water => set thresholds  
• No less than at any time AFTER earlier mitigation of undesirable results and PRIOR to 2015 => no further assessment needed  
• Higher than surface water beneficial use-driven thresholds or any of the above, whichever is higher |
Kern Groundwater Authority
GSA Development Timeline

Board review Outline of Proposed JPA Amendments

Board review of Amended JPA (Recitals & Articles I-III)

Board Review of Amended JPA (Articles IV – VII)

Board Final Review of Amended JPA

Board approves Amended JPA for Execution

Kern Groundwater Authority Strategic Planning

March 2015

April 2015

May 2015

June 2015

July 2015

August 2015

September 2015

October 2015

November 2015

December 2015

January 2016

February 2016

March 2016

April 2016

May 2016

June 2016

Member Committee Workshop on JPA Amendments

Public Meeting on Kern Groundwater Authority GSA

Public Meeting / Notice to Act as GSA

Submit Notice of intent to act as GSA to DWR

Input from Member Staff

GSP Development

Input from Member Legal Counsel