

APPENDIX P
NORTHERN KINGS COUNTY MEETING MATERIALS

Kings Basin Disadvantaged Communities Pilot Study
Northern Kings County Sub-Region

Sponsored by the Upper Kings Basin Integrated Regional Water Management Plan Authority

INVITATION

Representatives of local water providers, board members, local residents and other interested parties are invited to a meeting to discuss regional collaboration to address local water needs.

Where: Hanford City Hall - Administration Training Room
319 North Douty Street, Hanford, CA

When: Wednesday October 10, 2012

Time: 5:30pm – 7:30pm

Purpose

This is the first meeting in a series of meetings to discuss an area-wide collaborative approach to water resource planning, to identify common goals, to evaluate joint project ideas, and ultimately to help identify mutually agreed upon regional water projects that provide safe, reliable and affordable water and wastewater services or address other community water needs.

Estudio Piloto Para Las Comunidades de Bajo Recursos
dentro de la Cuenca Alta de Kings
Sub-región del Norte del Condado de Kings

Patrocinado por la Autoridad Integrada Regional del Plan de Manejo del Agua de la Cuenca Alta de Kings

INVITACION

Representantes de los proveedores de agua locales, miembros de las mesas directivas, residentes locales y otras partes interesadas están invitadas a una junta para hablar sobre las necesidades del agua locales y como la colaboración regional puede ser una solución.

Donde: City Hall de Hanford - Salon de Entrenamiento
319 North Douty Street, Hanford, CA

Cuándo: miércoles 10 de octubre

Hora: 5:30pm – 7:30pm

Propósito

Para hablar sobre el desarrollo de un enfoque de colaboración regional para la planificación de los recursos hídricos dentro la región de la cuenca de Kings, identificar objetivos comunes, evaluar ideas sobre posibles proyectos unidos, y mas importante ayudar a que juntos puedan identificar proyectos regionales que proporcionan agua limpia, segura y económica, servicios de agua residuales adecuados y/o que hacen frente a otras necesidades del agua de la comunidad.

Para más información o si tiene preguntas comuníquese con
El Centro Comunitario Por el Agua al (559) 733-0219

Kings Basin Disadvantaged Communities Pilot Study

Estudio Piloto Para Las Comunidades de Bajo Recursos dentro de la Cuenca de Kings



Northern Kings County Sub-Region
 Sub-región del Norte del Condado de Kings
 October 10, 2012
 Sponsored by the Kings Basin Water Authority
 Patrocinado por la Autoridad de la Cuenca de Kings

Goal of the meeting Meta de la junta

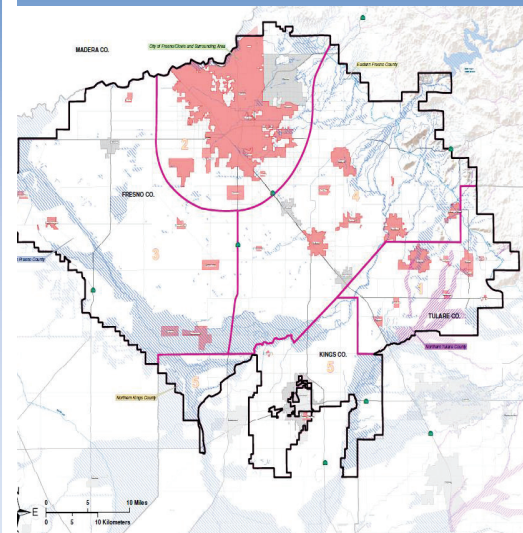
- Provide information on the project
- Learn about our neighbors
 - challenges
 - current needs
 - opportunities
- See if there is interest in setting goals and moving forward
- Proporcionar información sobre el proyecto
- Aprender de nuestros vecinos en la región
 - Problemas
 - Necesidades actuales
 - Oportunidades
- Ver si ahí interese en seguir adelante y establecer metas

Integrated Regional Water Management Plans Hydrologic Regions of CA and Prop 84 funds



Planes Regionales Integrados de Manejo de Agua
 Regiones Hidrológicas de Ca Y Dinero de Prop. 84

Goals of the project Metas del proyecto

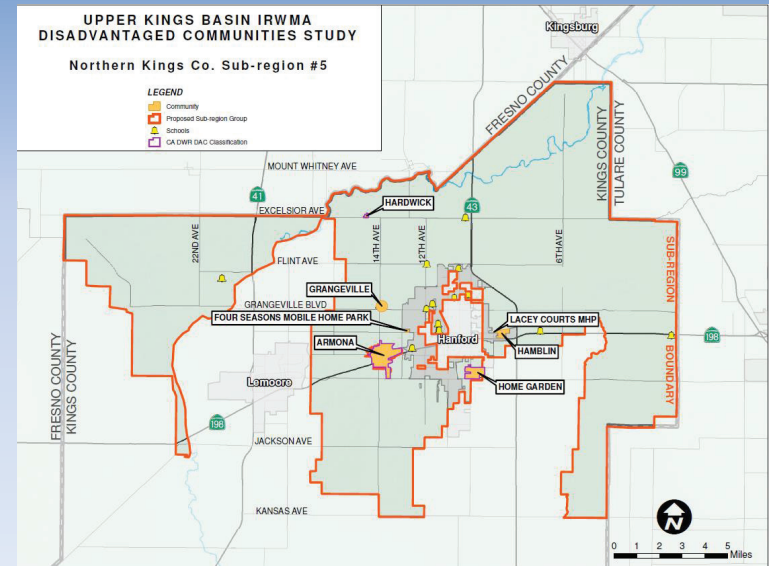


- Document water, wastewater, and storm water related needs of DACs
- ID potential projects that solve DAC water related needs and include in IRWMP master project list
- Support regional collaboration and solutions
- Attract funding to the region (IRWMPs and other)
- ID opportunities for IRWMPs to work better for DACs
- Documentar las necesidades del agua potable, agua residuales y de la lluvia de las DACs
- Identificar proyectos posibles que resuelven las necesidades de l agua de las DACs y incluirlos en la lista de proyectos del IRWMP
- apoyar la colaboración regional y soluciones
- Atraer fondos a la región (IRWMPs y otros
- Identificar oportunidades para asegurar que los IRWMPs funcionen mejor para las DACs.

What are the five study area sub-regions? ¿Cuales son la cinco regiones del estudio?

- | | |
|--|--|
| 1. Northern Tulare County | 1. Norte del Condado de Tulare |
| 2. Western Fresno County | 2. Región del Oeste del Condado de Fresno |
| 3. City of Fresno/Clovis and surrounding areas | 3. Ciudad de Fresno / Clovis y las áreas vecinas |
| 4. Eastern Fresno County | 4. Este del Condado de Fresno |
| 5. Northern Kings | 5. Norte del Condado de Kings |

Northern Kings County Sub-Region Sub-región del Norte del Condado de Kings



How the study and project team can help you achieve solutions Como el estudio y el equipo le puede ayudar a lograr soluciones

Community Water Center

- Facilitate meetings with your neighbors to support joint projects
- Help Identify and address concerns/barriers

Self Help Enterprises

- Providing data gathering and technical assistance

Provost and Pritchard

- Engineering support and analysis

El Centro Comunitario Por el Agua

- Facilitar juntas con sus vecinos y apoyar los proyectos conjuntos
- Ayudar a identificar y buscar soluciones a las preocupaciones y barreras

Self Help Enterprises

- Proporcionar asistencia técnica y a recuadrar datos

Provost and Pritchard

- Apoyo de ingeniera y alisáis

Types of analysis that can help address concerns of the region Tipos de análisis que pueden ayudar a solucionar las preocupaciones de la región

Project Scenarios Analysis

- Preliminary Grant Application
 - Examples: Well(s), Pipeline, Treatment Blending
- Rate Impact Analysis or Rate Comparison
- Shared Service Study
 - Evaluate agencies for shared services and needs trying to improve economy of scale

Análisis de los escenarios de los proyectos

- Aplicación preliminar para becas
 - Ejemplo: Pozo(s), Pipas, Tratamiento Mezclado
- Análisis del impacto a la tarifa o comparación de las tarifas
- Estudio de Servicios Compartidos
 - Evaluar a las agencias para los servicios compartidos y necesidades para tratar de mejorar las economías de escala

Summary of opportunities through this study Resumen de las oportunidades a través de este estudio

- Introduction to regional water management and planning
- Immediate funding to pursue sustainable solutions
- Opportunity to leverage funding to your region through IRWMPs and other sources
- Introducción a el manejo regional de agua y planificación
- Financiamiento de inmediato para perseguir soluciones sostenible
- Oportunidad para que su región obtenga fondos con el IRWMP y otras fuentes

What the process of opportunities looks like El proceso de las oportunidades

Pilot Projects

- 1-2 pilot projects per sub region

Facilitation

- 3-4 meetings
 - Introduction of project (Study)
 - Prioritizing water needs of region
 - Selection of a pilot project
 - Project team report back

Project timeline

- Spring 2012 – March of 2013

Stronger voice for the region

- DACs are engaged in IRWMPs
- Seeking implementation funds

Proyectos pilotos

- 1-2 proyectos por cada sub región

Facilitación

- 3-4 juntas
 - Presentación del proyecto (estudio)
 - Priorización de las necesidades de agua de la región
 - La selección de un proyecto piloto
 - Reporte a la región por parte del equipo del proyecto

Plazo del proyecto

- Primavera del 2012 a marzo del 2013
- Un voz mas fuerte para la región
 - Las DACs forman parte del los IRWMPs
 - Aplicando para becas de implementación

Regional Collaboration: what it means and how it can help Colaboración regional: que significa y como puede ayudar

Regional Collaboration does not necessarily mean Physical Consolidation “pipe to pipe” or Full Consolidation

Colaboración Regional no necesariamente significa Consolidación física “la unión de pipas” o Consolidación Completa

- Managerial Consolidation
- Operational Consolidation (Technical)
- Physical consolidation
- Full consolidation
- Consolidación Administrativa
- Consolidación operativa (técnica)
- Consolidación física
- Consolidación completa

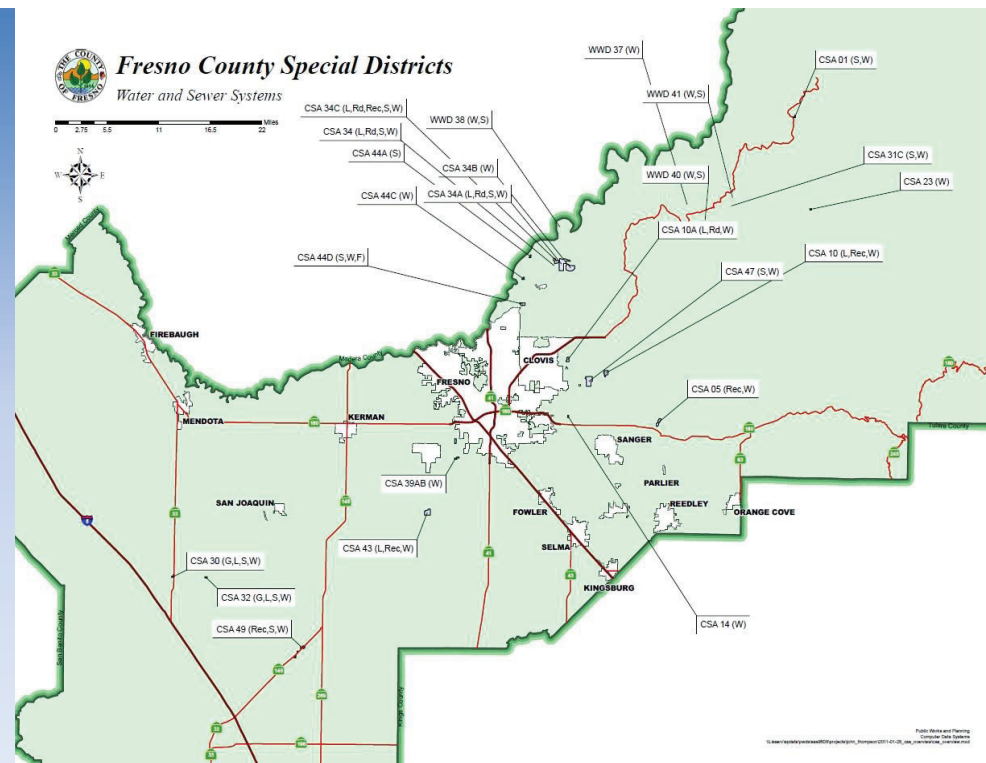
Consolidation – Management Example Ejemplo de Consolidación Administrativa

County of Fresno – Special Districts

- Manage 129 special districts
 - Roads
 - Water/Wastewater
 - Street lighting
- Operate 22 water and 12 wastewater systems
 - Field Supervisor
 - 7 certified water/wastewater operators
 - 3 water/wastewater technicians

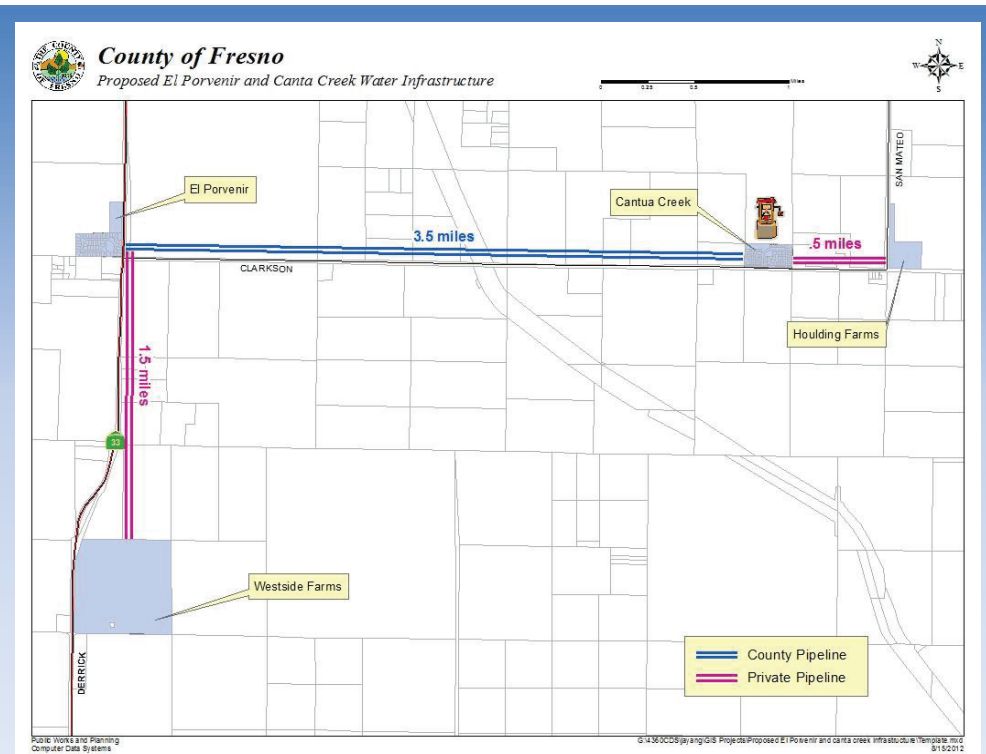
Condado de Fresno – Distritos Especiales

- Maneja 129 distritos especiales
 - Calles
 - Agua/Aguas Residuales
 - Iluminación de las calles
- Opera 22 sistemas de agua y 12 sistemas de agua residuales
 - Un supervisor del área
 - 7 operadores certificados de agua/aguas residuales
 - 3 técnicos de agua/agua residuales



Consolidation – Infrastructure Consolidación Infraestructura

- County Service Area 30 – El Porvenir and County Service Area 32 – Cantua Creek are being considered for connecting surface water facilities
- In addition two potential private water systems that serve labor camp housing are being considered for connection to Cantua Creek and El Porvenir
- El Área de Servicio del Condado 30 – El Prvenir y el Área de Servicio del Condado 32 – Cantua Creek están siendo considerados para la conexión de los servicios de agua superficial
- Además dos posiblemente sistemas de agua privados que proporcionan agua a los campamentos de trabajo están siendo considerados para la conexión de servicios a Cantua Creek y El Provenir



Consolidation – Private Sector Example Ejemplo de Consolidación del Sector Privado

- Private Company to takeover operations and own all the infrastructure
- Quail Lake community is currently going through the process with Cal Water
- Cal Water currently provides service to City of Selma
- Una Compañía Privada toma la responsabilidad de la operación y se convierte en dueño de toda la infraestructura
- La comunidad de Quail lake esta actualmente pasando por este proceso con la compañía Cal Water
- La Compañía Cal Water actualmente le esta proporcionando servicio a la ciudad de Selma

Consolidation – Private Sector Example Ejemplo de Consolidación – Sector Privado

Comparison of Water/Sewer rates

Comparación de las tarifas de Agua y Drenaje

County Service Area 47 – Quail Lake Water & Sewer Monthly Fee (Public) Area de Servicio del Condado 47 – Quail Lake Tarifa de agua y drenaje (Publico)	Quail Lake Fee through Cal-Water (Private) Tarifa de Servicios por Cal Water (Privado)
Summer Rate (Median User) \$180.33 Tarifa del Verano (Usuario típico) \$180.33	Summer Rate (Median User) \$169.77 Tarifa del Verano (Usuario típico) \$169.77
Winter Rate (Median User) \$143.88 Tarifa del Invierno (Usuario Típico) \$143.88	Winter Rate (Median User) \$133.95 Tarifa del Invierno (Usuario Típico) \$133.95

Lower Rio Grande Public Water Works Authority Autoridad de Servicios de Agua de Lower Rio Grande



**LEARN FROM OUR NEIGHBORS: HOW WE
LOOK AS A REGION?**

**APRENDER DE NUESTROS VECINOS:
¿COMO NOS VEMOS COMO REGIÓN?**

Benefits of collaboration Beneficios de colaboración



- Helps identify possible solutions to secure better services
- Reduce vulnerabilities
- Creates larger economies of scale
- Build a stronger voice to bring funding to the region

- Ayuda identificar soluciones para asegurar mejores servicios
- Reduce las vulnerabilidades
- Desarrolla economías de escala mas grande
- Desarrolla una voz mas poderosa para atraer fondos a la región

BREAK DESCANSO



Break Out Sessions Sesión de los grupos de trabajo



- What are the benefits of collaboration?
- Who needs to be involved in order for a collaborative effort to be successful and attract more funding to the region?
- What information or data is needed in order to work together?
- Does this area, or communities in the area, have any positive experiences with area-wide planning? If so, what accounted for the success?
 - And what can experience teach us about what to do and not to do in this project?
- Are there any obstacles to collaboration that have to be overcome?
- Are there any risks to going forward with a collaborative effort? If so, what are they?
- What are the risks of not moving forward with a collaborative effort?
- ¿Cuáles son los beneficios de colaboración?
- ¿Quién debe estar involucrado para que un esfuerzo de colaboración tenga éxito y pueda atraer más fondos a la región?
- ¿Qué información es necesaria para trabajar juntos?
- ¿Cuál son los datos que la mayoría de la gente acepta tocante la situación del agua en esta área?
- ¿Cuáles datos no deben ser compartidos?
- ¿Tiene algunas experiencias positivas en esta área con planificación de esta región? Si es así que fue la razón(es) del éxito?
- ¿Que aprendimos de este proceso (bueno y malo)?
- ¿Hay algunos obstáculos a la colaboración que se tienen que superar?
- ¿Existe algún riesgo a seguir adelante con un esfuerzo de colaboración? Si es así, ¿cuáles son?
- ¿Cuáles son los riesgos de no seguir adelante con un esfuerzo de colaboración?

Where do we go from here? ¿Que son los próximos pasos?

- Is there interest in regional collaboration?
- What do we need more info on?
- Are we ready?
 - What do we want to work on
- Hay interés?
- Que información nos falta?
- Estamos listos para seguir adelante?
 - En que queremos trabajar?

Next meeting

- Next meeting (day of the week)
- Meeting location
- Agenda items for future meeting
- Próxima junta (día de la semana)
- Lugar de la junta
- Temas para la agenda de juntas próximas

For more information: Para mas información:

- **Project Team:**
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Phone: 559.733.0219 e-mail:
maria.herrera@communitywatercenter.org
- Paul Boyer – *Self Help Enterprises*
Phone: 559.802.1681 e-mail:
paulb@selfhelpenterprises.org
- **Project website:**
http://www.krcd.org/water/ukbirwma/dac_pilot_study.html
- **Equipo del proyecto:**
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- Paul Boyer – *Self Help Enterprises*
Teléfono: 559.802.1681 Correo electrónico:
paulb@selfhelpenterprises.org
- **Página de internet del proyecto:**
http://www.krcd.org/water/ukbirwma/dac_pilot_study.html

Kings Basin Disadvantaged Communities Pilot Study Northern Kings County Sub-region Kick Off Meeting

Wednesday, October 10, 2012 5:30-7:30PM
Hanford City Hall - Administration Training Room

Minutes

1. Introductions, review of the agenda and goal of the meeting

Maria began meeting by giving a brief announcement and introductions. Maria noted that the goal of the meeting was to provide information on the project, learn about our neighbors and ultimately see if there is interest in setting goals and moving forward.

2. Goals and purpose of the project

She began the portion of providing information on the project by providing background information on Intergraded Regional Water Management Plans. She noted that these IRWMPs are like general plans for water that were established to promote regional water management planning and funding. She also noted that at least ten percent of the funding available through these efforts must go to disadvantaged community water needs.

She highlighted the need to ensure IRWMPs work better for DACs. She noted that the project is seeking to document water, wastewater, and storm water related needs of DACs, identify potential projects that solve DAC water related needs and include in IRWMP master project list, support regional collaboration and solutions, attract funding to the region (IRWMPs and other) and identify opportunities for IRWMPs to work better for DACs.

She also highlighted the 5 sub-regions and noted that they were established to ensure outreach and facilitation is manageable.

She along with Paul from Self Help and Lon from Provost and Pritchard discussed how the project team could help the sub-regions achieve solutions.

Maria also summarized process of opportunities available with the study saying that the study provides Introduction to regional water management and planning, immediate funding to pursue sustainable solutions and an opportunity to leverage funding to your region through IRWMPs and other sources.

Participants from Startford and Armona asked if they could be included in this effort despite the fact that they were not within the Upper Kings Basin IRWM area and noted their strong interest in becoming part of an IRWMP.

Eric Osterling was invited to explain the boundaries and possible opportunities. He noted that the Upper Kings Basin Water Authority's boundary is their boundary unless the Authority Board takes action to somehow modify it. And that that the only reason why any portion of Kings County is included within the IRWMP boundary is because of either full or partial overlaps with the Kings Groundwater Basin.

Kings Basin Disadvantaged Communities Pilot Study

Northern Kings County Sub-region Kick Off Meeting

3. Regional Collaboration: what it means, specific case studies and how it can benefit our communities

Maria then discussed regional collaboration: what it means and how it can help. She noted that communities in New Mexico have had much success in addressing their drinking water challenges by pursuing these types of efforts. She then invited Joe Prado, from Fresno County to provide specific case studies on local collaboration efforts happening locally through the County's special districts.

A resident from Armona asked Joe whether there was a county budget for these types of projects or general funding.

Hector asked what determines where water treatment plants are established. Joe responded that that would depend on the engineering and location.

Maria also highlighted the New Mexico Lower Rio Grande case study and their full consolidation example.

4. How we look as a region. What are the locally water needs?

Maria then handed the participants a map of the sub-region and asked the various communities represented to state their know water needs.

The Startford participants reported that they were cut out of many regional projects due to location and lack of belonging to an IRWMP. They also noted the lack of storage facilities, well capacity and aging wastewater infrastructure.

Armona participants reported high levels of arsenic, high water rates, and funding challenges due to not being classified as a DAC and borderline at capacity

Hanford representative reported that increasing challenges dealing with groundwater quality compliance due to waste water discharge requirements, the need for water supply to promote industrial growth and also touched on their efforts to provide water to county islands. He reported that the City of Hanford will not provide water to any communities that are not within their service areas.

He reported that California Department of Public Health had approach the City to seek their help in the community of Four Season. He explained that having CDPH, seek their help and communicating that this community was facing drinking water challenges and that drilling a well was not feasible helped the City agreed to work with them. Furthermore, he noted that another reason the City hand agreed to work with some of the communities were because they were able to see the benefit for the City given that they would have access to another source of water. However, he did note that the process has been taking a long time and was unsure how longer the process would take.

Self Help reported that Hardwick is dealing uranium in their groundwater

Kings Basin Disadvantaged Communities Pilot Study

Northern Kings County Sub-region Kick Off Meeting

5. Break

6. Group discussion of regional collaborations (answer specific questions as a group)

Abi then lead a general group discussion to answer the questionnaire: (see questions and answers below)

What are the benefits of collaboration?

- Economic benefits/ affordability
- Additional water/supply
- Cost saving for licensed experts

Who needs to be involved in order for a collaborative effort to be successful and attract more funding to the region?

- Board members from districts
- Community members

What information or data is needed in order to work together?

- Accurate records
- Water maps/ sewer maps
- Participation

Does this area have any positive experiences with area-wide planning? What accounted for the success? And what can experience teach us about what to do and not to do in this project?

- Armona could consider working with Grangeville/ schools
- Hanford working with Carson School

Are there any obstacles to collaboration that have to be overcome?

- Distance between districts
- Being included/ outside of boundaries of IRWMPs

Are there any risks to going forward with a collaborative effort? What are they? And What are the risks of not moving forward with a collaborative effort?

- Tie in to funding/losing funding
- Nothing gets done
- Risk of cost impact to residents
- Risk of not improving water quality

After asking the questions Abi asked the group if there was interest in regional collaboration, to which the group responded affirmatively.

7. Next meeting, meeting location and agenda items for future meetings

Kings Basin Disadvantaged Communities Pilot Study

Northern Kings County Sub-region Kick Off Meeting

They wanted to work on Armona, Hanford, and Stratford. They thought the meeting place was a good location and set the date for November 29th from 5-7.



Kings Basin Disadvantaged Communities Pilot Study Northern Kings County Sub-Region

Sponsored by the Upper Kings Basin Integrated Regional Water Management Plan Authority

INVITATION

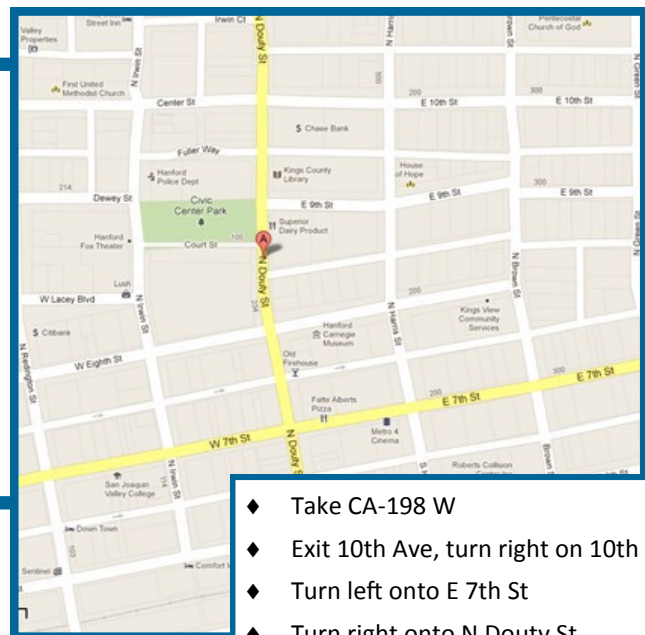
We are inviting the representatives of local water providers, board members, local residents, and other interested parties to JOIN US in a meeting to discuss regional collaboration to address local water needs.

WHERE: Hanford City Hall
Administrative Training Room
319 N Douty Street
Hanford, CA 93230

WHEN: Thursday, November 29, 2012

TIME: 5:00pm—7:00pm

***Refreshments will be provided**



- ◆ Take CA-198 W
- ◆ Exit 10th Ave, turn right on 10th Ave
- ◆ Turn left onto E 7th St
- ◆ Turn right onto N Douty St
- ◆ Arrive at 319 N Douty St, Hanford



The Purpose of this meeting:

- ◆ *Provide a summary of the project goals and objectives and how your community can benefit*
- ◆ *Discuss and begin to prioritize community water needs*
- ◆ *Identify and discuss potential opportunities to work together to obtain funding for water related improvements for your community*

For more information or if you have any questions please call Community Water Center at (559) 733-0219
or Self Help Enterprises at (559) 802-1681



Estudio Piloto Para Las Comunidades de Bajo Recursos dentro de la Cuenca Alta de Kings Sub-region del Norte del Condado de Kings

Patrocinado por la Autoridad Integrada Regional del Plan de Manejo del Agua de la Cuenca Alta de Kings

INVITACION

Estamos invitando a los representantes de proveedores de agua locales, mesas directivas, residents locales y todos los interesados en asistir a una junta para hablar acerca de la colaboración regional para hablar de las necesidades de agua locales.

***DONDE: Hanford City Hall
Salon de Entrenamiento
319 N Douty Street
Hanford, CA 93230***

CUÁNDO: Jueves 29 de Noviembre, 2012

HORA: 5:00pm—7:00pm

****Habrá refrescos***

(Traducción disponible)



- ◆ Tomar CA-198 W
- ◆ Salir 10th Ave, vuelta en 10th Ave
- ◆ Gire a la izquierda en E 7th St
- ◆ Gire a la derecha en N Douty St
- ◆ Llegar a 319 N Douty St, Hanford



Propósito de la Junta:

- ◆ *Resume de las metas y objetivos del proyecto y como puede beneficiar a su comunidad*
- ◆ *Hablar y empezar a dar prioridad a las necesidades del agua de la comunidad*
- ◆ *Identificar las posibles oportunidades para trabajar juntos, explorar posibles proyectos conjuntos en un esfuerzo para obtener fondos relacionados con el agua para su comunidad*

Para más información o si tiene preguntas comuníquese con El Centro Comunitario Por el Agua al (559) 733-0219 o Self Help Enterprises al (559) 802-1681

Kings Basin Disadvantaged Communities Pilot Study

Estudio Piloto Para Las Comunidades de Bajos Recursos dentro de la Cuenca de Kings



Northern Kings County Sub Region
 Sub-región del Norte del Condado de Kings
 March 13, 2013
 Sponsored by the Kings Basin Water Authority
 Patrocinado por la Autoridad de la Cuenca de Kings

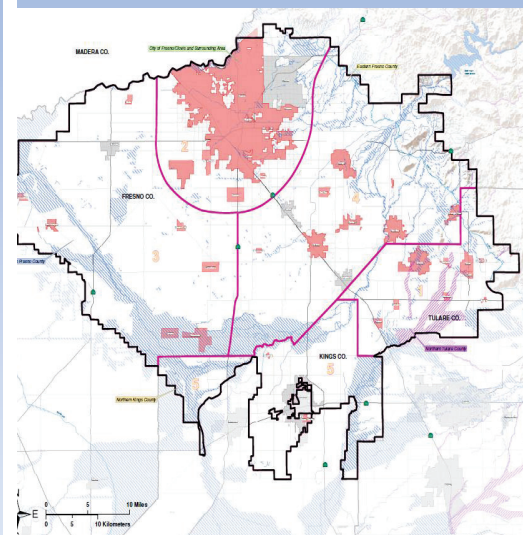
Agenda

- Introductions
- Resumen de las metas y objetivos del proyecto y de las ultimas juntas
- Descanso
- Sesión usando el mapa: necesidades y oportunidades para la región
- Reporte de la sesión de los grupos de trabajo
- Próximos pasos?
- Próxima junta
- Summary of project goals and objective and past meetings
- Break
- Mapping exercise: needs and opportunities for the region
- Report back from breakout session
- Where do we go from here?
- Next meeting

Goal of the meeting Meta de la junta

- Provide a summary of the project goals and objectives and how your community can benefit
- Resume n de las metas y objetivos del proyecto y como pueden beneficiar a su comunidad
- Discuss and begin to prioritize community water needs
- Hablar y empezar a dar prioridad a las necesidades del agua de la comunidad
- Identify and discuss potential opportunities to work together to obtain funding for water related improvements for your community
- Identificar las posibles oportunidades para trabajar juntos, explorar posibles proyectos conjuntos en un esfuerzo para obtener fondos relacionados con el agua para su comunidad

Summary of goals of the project Resume del proyecto y sus metas

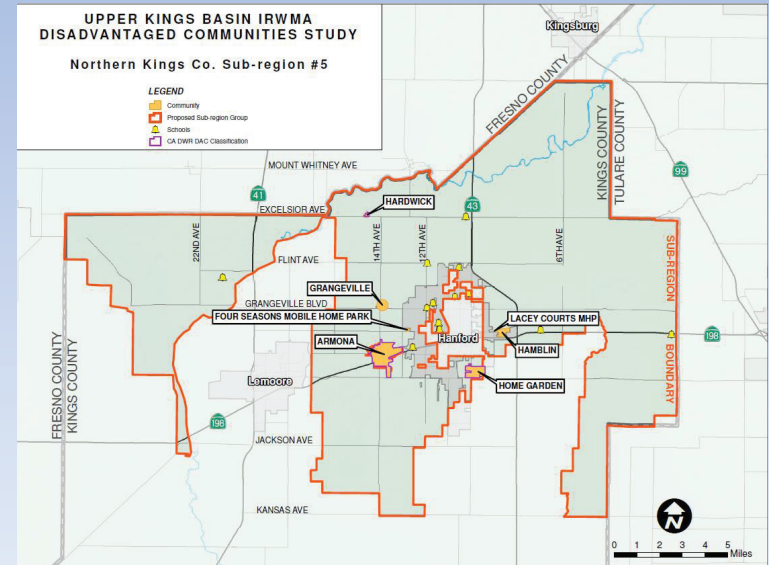


- Document water , wastewater, and storm water related needs of DACs
- ID potential projects that solve DAC water related needs and include in IRWMP master project list
- Support regional collaboration and solutions
- Attract funding to the region (IRWMPs and other)
- ID opportunities for IRWMPs to work better for DACs
- Documentar las necesidades del agua potable, agua residuales y de la lluvia de las DACs
- Identificar proyectos posibles que resuelven las necesidades de l agua de las DACs y incluirlos en la lista de proyectos del IRWMP
- apoyar la colaboración regional y soluciones
- Atraer fondos a la región (IRWMPs y otros)
- Identificar oportunidades para asegurar que los IRWMPs funcionen mejor para las DACs.

What are the five study area sub-regions? ¿Cuales son las cinco regiones del estudio?

- | | |
|--|--|
| 1. Northern Tulare County | 1. Norte del Condado de Tulare |
| 2. City of Fresno/Clovis and surrounding areas | 2. Ciudad de Fresno / Clovis y las áreas vecinas |
| 3. Western Fresno County | 3. Occidental del Condado de Fresno |
| 4. Eastern Fresno County | 4. Este del Condado de Fresno |
| 5. Northern Kings | 5. Norte del Condado de Kings |

Northern Kings County Sub-Region Sub-región del Norte del Condado de Kings



Project team to help you achieve solutions El equipo del proyecto para ayudarle a lograr soluciones

Community Water Center

- Facilitate meetings with your neighbors to support joint projects
- Help Identify and address concerns/barriers

Self Help Enterprises

- Providing data gathering and technical assistance

Provost and Pritchard

- Engineering support and analysis

El Centro Comunitario Por el Agua

- Facilitar juntas con sus vecinos y apoyar los proyectos conjuntos
- Ayudar a identificar y buscar soluciones a las preocupaciones y barreras

Self Help Enterprises

- Proporcionar asistencia técnica y a recuadrar datos

Provost and Pritchard

- Apoyo de ingeniería y análisis

What the process of opportunities looks like El proceso de las oportunidades

Pilot Projects

- 1-2 pilot projects per sub region

Facilitation

- 3-4 meetings
 - Introduction of project (Study)
 - Prioritizing water needs of region
 - Selection of a pilot project
 - Project team report back

Project timeline

- Spring 2012 – March of 2013

Stronger voice for the region

- DACs are engaged in IRWMPs
- Seeking implementation funds

Proyectos pilotos

- 1-2 proyectos por cada sub región

Facilitación

- 3-4 juntas
 - Presentación del proyecto (estudio)
 - Priorización de las necesidades de agua de la región
 - La selección de un proyecto piloto
 - Reporte a la región por parte del equipo del proyecto

Plazo del proyecto

- Primavera del 2012 a marzo del 2013

- Un voz mas fuerte para la región
 - Las DACs forman parte de los IRWMPs
 - Aplicando para becas de implementación

Types of analysis that can help address concerns of the region Tipos de análisis que pueden ayudar a solucionar las preocupaciones de la región

Project Scenarios Analysis

- Preliminary Grant Application
 - Examples: Well(s), Pipeline, Treatment Blending
- Rate Impact Analysis or Rate Comparison
- Shared Service Study
 - Evaluate agencies for shared services and needs trying to improve economy of scale

Análisis de los escenarios de los proyectos

- Aplicación preliminar para becas
 - Ejemplo: Pozo(s), Pipas, Tratamiento Mezclado
- Análisis del impacto a la tarifa o comparación de las tarifas
- Estudio de Servicios Compartidos
 - Evaluar a las agencias para los servicios compartidos y necesidades para tratar de mejorar las economías de escala

Summary of last meeting Resumen de la ultima junta

Interests/Benefits:

- Economic benefits/ affordability
- Additional water/supply
- Cost saving for licensed experts

Concerns:

- Distance between districts
- Being included/ outside of boundaries of IRWMs

Risks of not moving forward:

- Losing funding opportunities and not being able to get something done

Interés/Beneficios:

- Beneficios económicos/tarifas económicas
- Abastecimiento de agua adicional
- Ahorros para los servicios de los expertos certificados

Preocupaciones:

- Distancia entre los distritos
- Ser incluido/afuera de las fronteras de los IRWMs

Riesgos de seguir adelante:

- Perder oportunidades para obtener fondos y no poder llegar a lograr algo

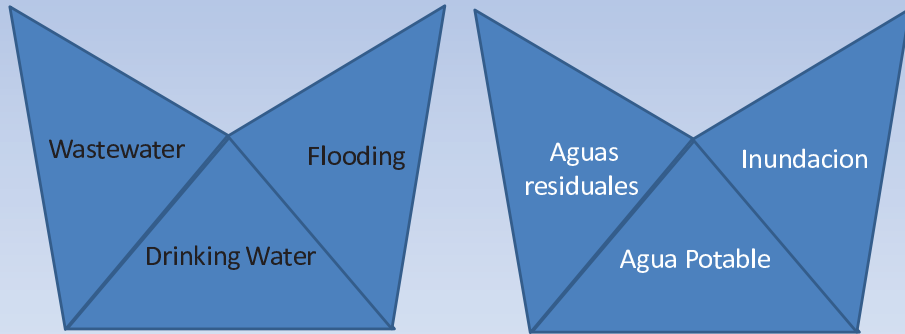


HOW WE LOOK AS A REGION ¿COMO NOS VEMOS COMO REGIÓN?

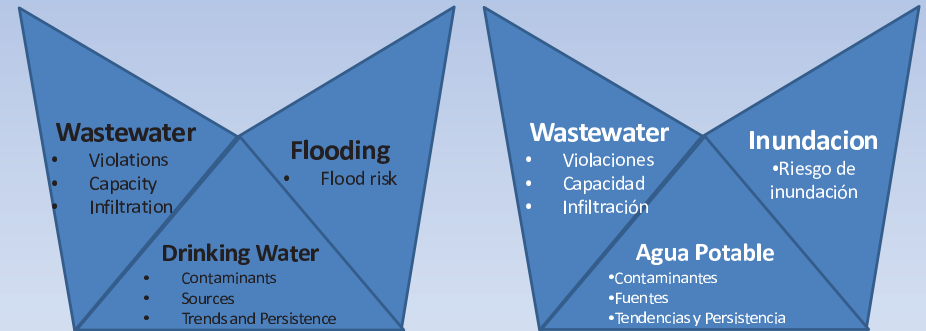
Goals of Presentation Objetivos de la Presentación

- Provide overview of the Fresno/Clovis region given data that we have
- Highlight water needs
 - Obtain feedback
 - Identify opportunities to work together as a region
- Proporcionar un resumen de la región de Fresno/Clovis usando los datos disponibles
- Exponer las necesidades del agua
 - Necesitamos sus comentarios
 - Comenzar a identificar oportunidades para trabajar juntos como región

What are the region's water needs? ¿Cuáles son las necesidades de agua de la región?

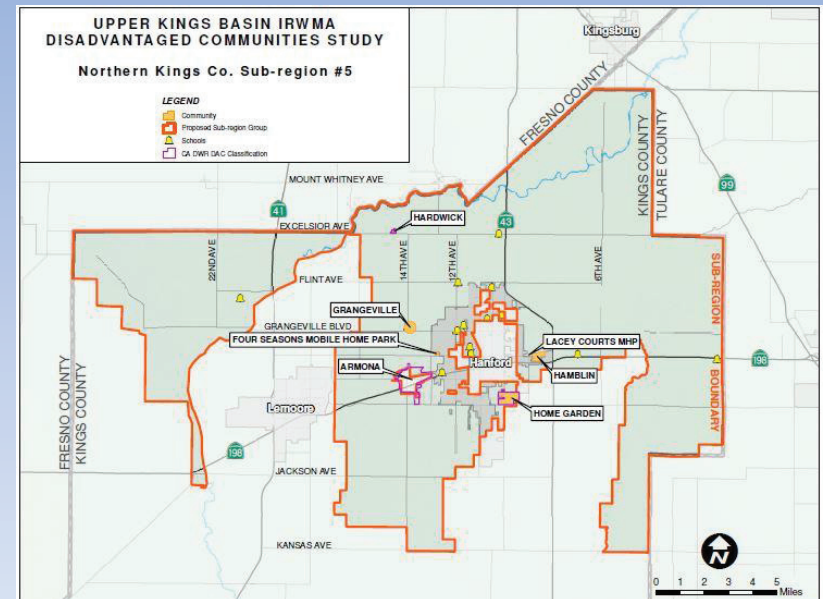
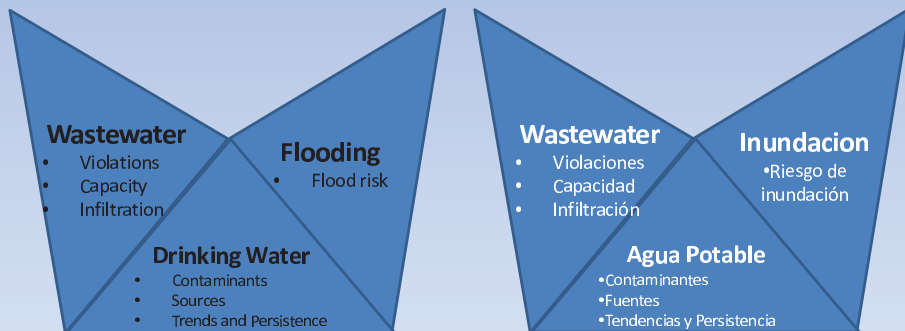


Available data tells a story of the region's needs Los datos disponibles cuentan una historia de las necesidades en la region



Assessing community-specific water needs help us consider the role of collaboration

La evaluación de las necesidades de agua específicas de la comunidad nos ayudará a considerar la función de la colaboración



***7 communities**
***7 comunidades**

Water Quality: Arsenic

UPPER KINGS BASIN IRWMA
DISADVANTAGED COMMUNITIES STUDY

Northern Kings Co. Sub-region #5

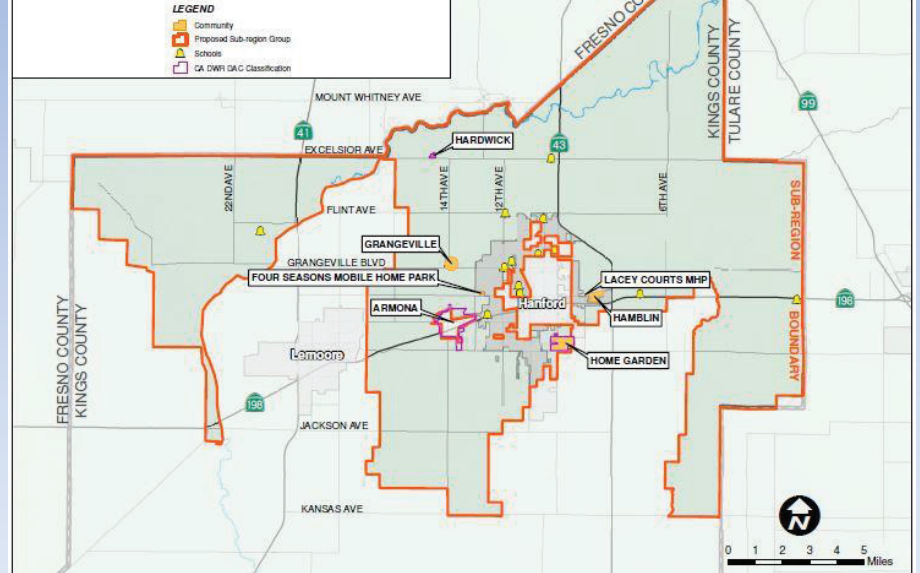
Calidad de Agua: Arsenico



Additional contamination?

UPPER KINGS BASIN IRWMA
DISADVANTAGED COMMUNITIES STUDY

Northern Kings Co. Sub-region #5

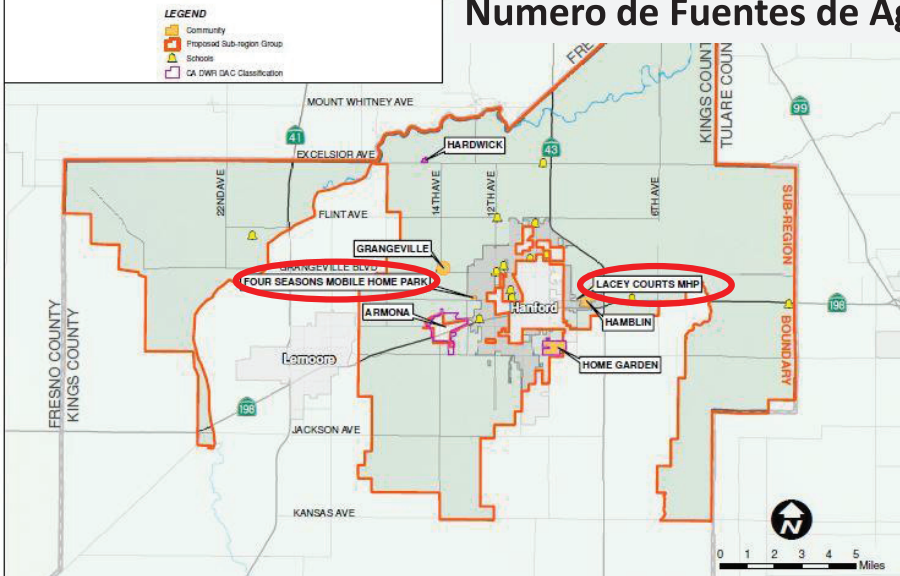


UPPER KINGS BASIN IRWMA
DISADVANTAGED COMMUNITIES STUDY

Northern Kings Co. Sub-region #5

Number of active sources

Numero de Fuentes de Agua

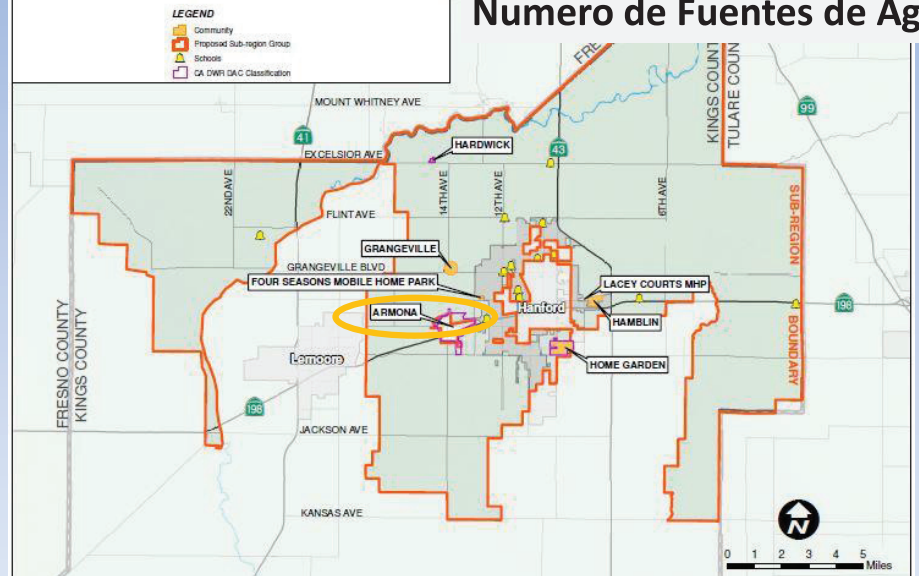


UPPER KINGS BASIN IRWMA
DISADVANTAGED COMMUNITIES STUDY

Northern Kings Co. Sub-region #5

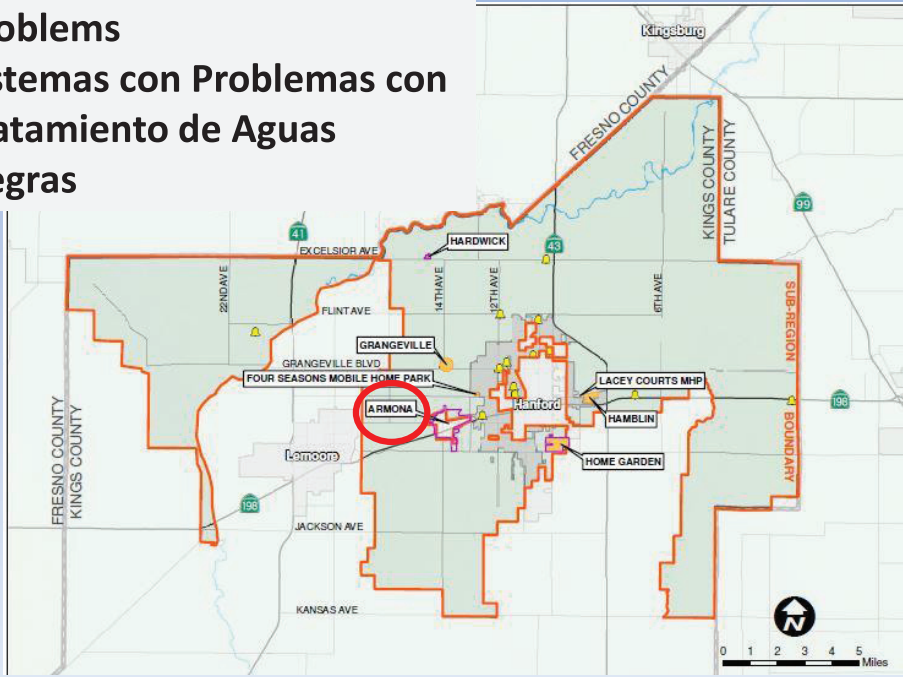
Number of active sources

Numero de Fuentes de Agua

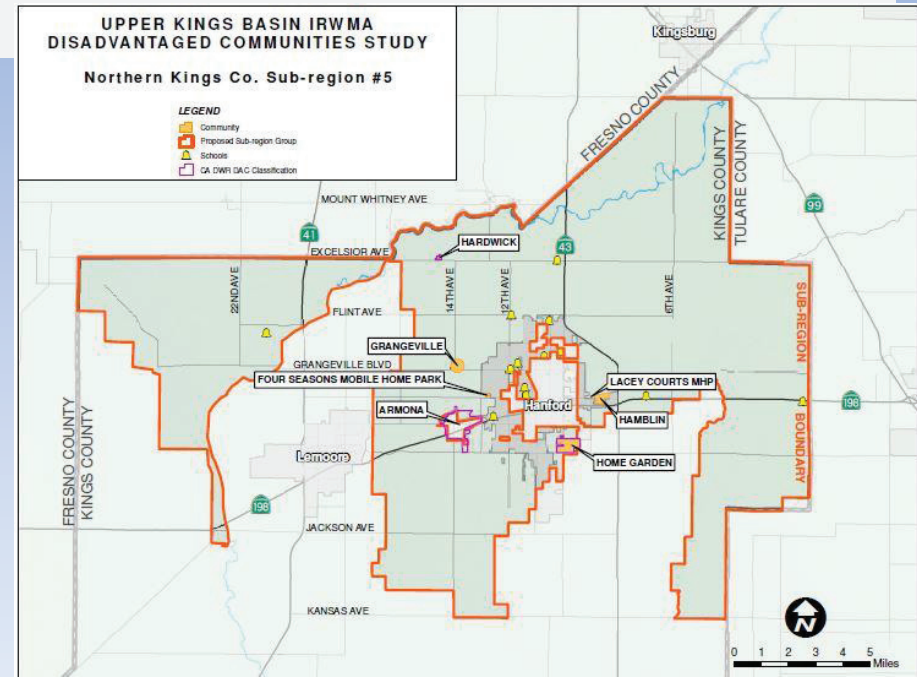


Systems with Wastewater Problems

Sistemas con Problemas con Tratamiento de Aguas Negras



Did we miss anything? Hay otros problemas?

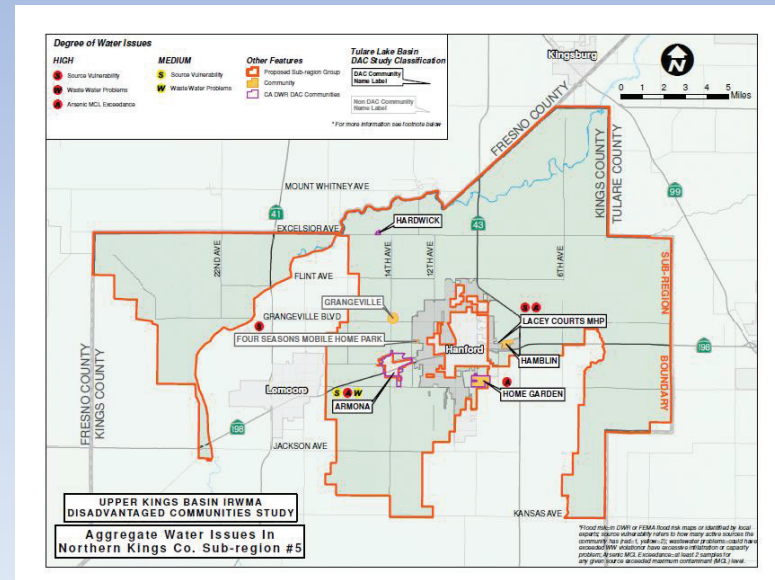


Mapping exercise: Needs and Opportunities for the Region

Sesión usando el mapa: Necesidades y oportunidades para la región



BREAK
DESCANSO



Report back Reporte al grupo



Where do we go from here? ¿Que son los próximos pasos?

- What are the key priority issues for the region?
- ¿Cuáles son los temas de prioridad para la región?
- What are some concerns, questions or opportunities that you see?
- ¿Cuáles son algunas de las preocupaciones, preguntas o las oportunidades que usted ve?
- What support or information do you need from us?
- ¿Qué apoyo o información necesita de nosotros?

Next meeting Próxima junta

- Next meeting
- Próxima junta
- Meeting location
- Lugar de la junta
- Agenda items for future meeting
- Temas para la agenda de juntas próximas

For more information: Para mas información:

- **Project Team:**
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Teléfono: 559.802.1681 Correo electrónico: paulb@selfhelpenterprises.org
- Project website:**
http://www.krcd.org/water/ukbirwma/dac_pilot_study.html
- Página de internet del proyecto:**
http://www.krcd.org/water/ukbirwma/dac_pilot_study.html

Community Characteristics							FLOOD RISK	PHYSICAL VULNERABILITY	WATER QUALITY 2008-2010		WASTEWATER VIOLATIONS		
NAME	Population	Connections	Ownership Type	Source Water	System Description	DAC Status	(FEMA or DWR)	Active Sources Count	Total Coliform MCL Violation 2008-10	Arsenic MCL Exceedance 2008-2010	Potentially has exceedance of permitted flow	Potentially has Excessive Infiltration	WW Violation
ARMONA	3239	1179	City, County, State owned	Groundwater	Complete water and wastewater systems	DAC	No	2	Unknown	Yes	No	Yes-Medium	No
HOME GARDEN	1750	450	City, County, State owned	Groundwater	Complete water and wastewater systems	SDAC	No	3	Unknown	Yes	Unknown	Unknown	Unknown
LACEY COURTS MHP	50	15	Private non-PUC reg	Groundwater	Complete water system only	DAC	No	1	Unknown	Yes	N/A	N/A	N/A
FOUR SEASONS MOBILE HOME PARK	60	60	Private non-PUC reg	Groundwater	Complete water system only	NOT DAC	No	1	Unknown	No	N/A	N/A	N/A
HARDWICK	150	40	Private non-PUC reg	Groundwater	Partial water or wastewater systems	SDAC	No	Unknown	Unknown	No sampling data	N/A	N/A	N/A
HAMBLIN	240	73	Unknown	Unknown	No systems defined	DAC	No	Unknown	Unknown	No sampling data	N/A	N/A	N/A
GRANGEVILLE	90	90	Unknown	Unknown	No systems defined	NOT DAC	No	Unknown	Unknown	No sampling data	N/A	N/A	N/A

Degree of Water Issues

HIGH

- S** Source Vulnerability
- W** Waste Water Problems
- A** Arsenic MCL Exceedance

MEDIUM

- S** Source Vulnerability
- W** Waste Water Problems

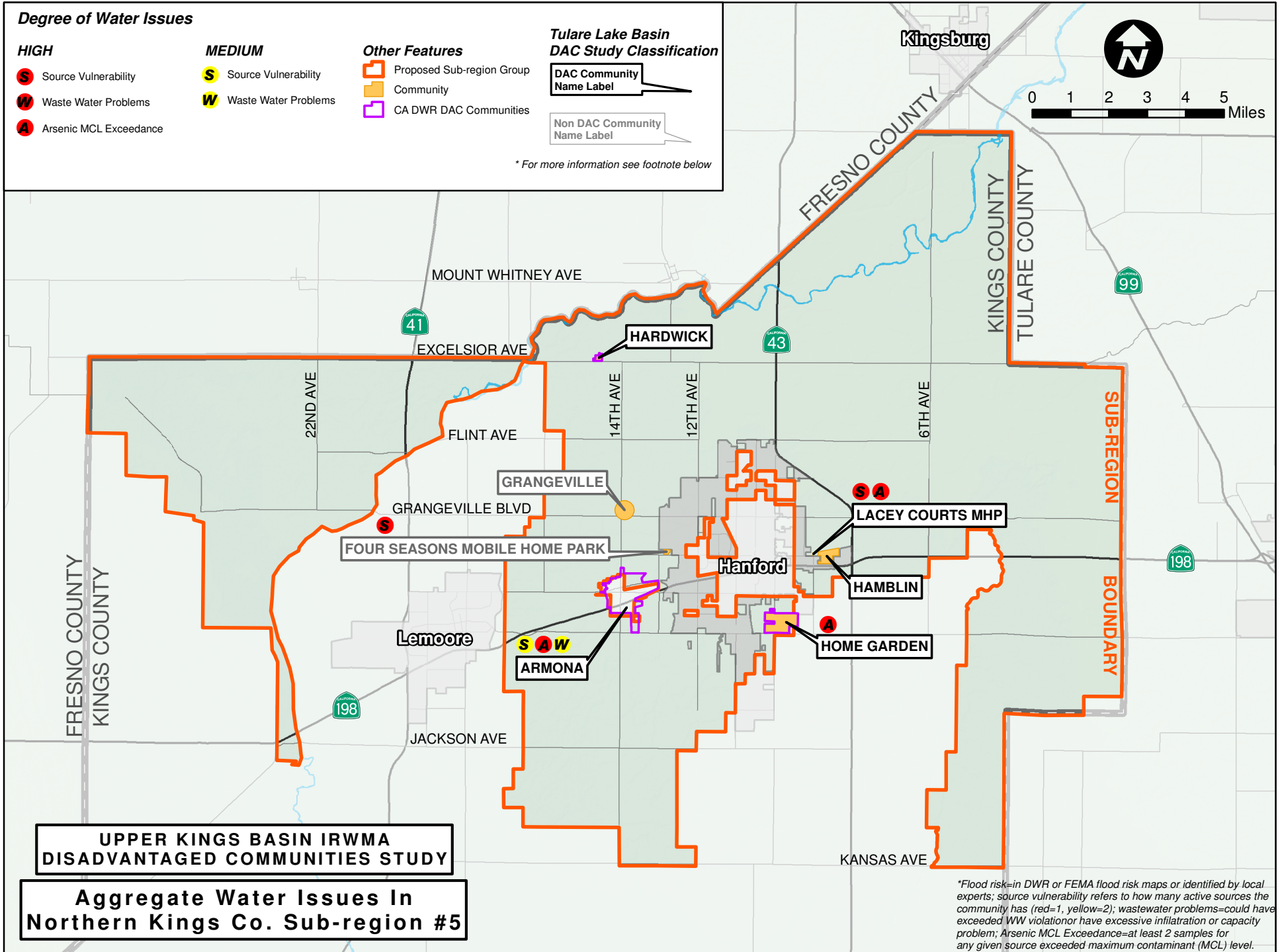
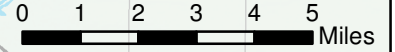
Other Features

- Proposed Sub-region Group
- Community
- CA DWR DAC Communities

**Tulare Lake Basin
DAC Study Classification**

- DAC Community Name Label
- Non DAC Community Name Label

* For more information see footnote below



**UPPER KINGS BASIN IRWMA
DISADVANTAGED COMMUNITIES STUDY**

**Aggregate Water Issues In
Northern Kings Co. Sub-region #5**

*Flood risk=in DWR or FEMA flood risk maps or identified by local experts; source vulnerability refers to how many active sources the community has (red=1, yellow=2); wastewater problems=could have exceeded WW violation or have excessive infiltration or capacity problem; Arsenic MCL Exceedance—at least 2 samples for any given source exceeded maximum contaminant (MCL) level.

Northern Kings County Sub Region Meeting 2
Wednesday, March 13, 2013
5:00-7:00pm
Hanford City Hall – Training Room

MINUTES

Introductions, Summary of Project Goals and Objectives

The meeting was called to order at 5:05pm. Maria began the meeting by introducing herself and asking everyone to do self introductions. Martin talked about P&Ps role in this project. Sue Ruiz talked about SHE roles in this project.

Maria then provided a brief background about the Upper Kings Basing DAC Pilot study, reviewed the agenda and empathized the goal of the meeting was to provide the sub-region participants a summary of the project goals and objectives and how their community can benefit, discuss and begin to prioritize community water needs and to identify and discuss potential opportunities to work together to obtain funding for water related improvements. She noted that these discussions would help the project team gather the information needed to develop a pilot matrix, explained the purpose of it and said it will be used during the 3rd meeting to help the sub-region chose a pilot project.

Maria and Lon then reviewed the “types of analysis” that this project could fund. They also provided specific examples of managerial, partial and full consolidation and mentioned that full consolidation is the highest level of consolidation.

Summary of past meeting:

Maria gave a review and summary of the last meeting, which was meeting #1. She noted the following responses by the participants:

Benefits:

- Economic benefit
- Additional water
- Cost savings

Concerns:

- Distance between communities
- Being included outside of boundaries

Risks of not moving forward:

- Losing funding opportunities and not being able to get something done

Lon facilitated the “How we look as a region” section. He mentioned that this section of the powerpoint, was developed using existing data available by CDPS, DWR and State Board. The section of the presentation highlighted the region’s water needs, including drinking water, (active sources), waster water (who has wastewater facilities, who does not, and who is facing violations or capacity issues) and whether or not communities are within the flooding zones.

The group reviewed “communities characteristics” and talked about the water quality on those seven communities

Remarks by the participants:

- Armona has not had a TC violation in ten years. Some concerns with Gross Alpha were noted. He also noted that they are currently in the process of drilling a new well (well 3) and seeking arsenic treatment improvements. He also noted that the population in Armona is that of 4100 people. On the wastewater side he noted that Armona had recently added 3-4 new ponds.
- Grangeville: only PWS is a school, the rest of the communities are on private wells.
- Hamblim: Single source, one well only, exceeded of the arsenic MCL.
- Home Garden CSD, Population: 1,800. Has 3 wells active and a couple back up wells, has an Arsenic removal system.
- The group also noted that the Hamblin, Lacy Courts MHP and Four Seasons Moblie Home Park are also facing water quality issues and that they are addressing their problems by seeking consolidation into the City of Hanford.

The project team then clarified if communities outside of the Upper Kings boundaries could participate in this study Lon responded and noted that after consulting with DWR and with some of the Upper Kings members, it was determined that only Armona and Hanford would be allowed as long as they would select a pilot that somehow involved a community within the Upper Kings boundaries. However, it was noted that a pilot that could evaluate the creation of a new IWRM, including who could be participating could be funded.

The audience then asked who originally set these boundaries. Lon reported that the Upper Kings IRWM was developed following the Kings River Conservation District boundaries almost identically. The participant from Stratford and others expressed serious concerns with the fact that the IRWM had left DACs with many needs completely out and felt that utilities districts were ignored because only Irrigation Districts were consulted when boundaries were set. Lon tried to address their concerns by stated that he didn't feel they were totally ignored but that the boundaries were set based on the level of support and interest by agencies in the area.

He also noted that Hanford and Armona could be included in the Upper Kings boundaries because he felt the Upper Kings board would be more supportive of the idea.

The participant from the Strathford PUD continued to ask about his community while, noting that they don't seem to fit into any IRWM and how that leaves them at a disadvantage in the long term. Lon then presented the idea of having one of the pilots look at what it would take to create an IRWM and who could be participating agencies. Maria then noted that creating a new IRWM is not easy and that it's a long process. The participant agreed that the process was a difficult one and felt that a creation of a new IRWM is almost impossible.

The Stratford, participant noted that he felt like it was failure on part of the Upper Kings not to have included them all. He noted that Alpaugh was also facing similar issues (not fitting into a clear IRWM) but said he believed that Pozo was considering or had helped them. He then asked if we could change the fact that only irrigation districts are included. He asked about drinking water providers such as Community Services Districts, (CSDs)? He said that Irrigation district is not responsible providing safe drinking water.

Another participant noted that it seems like Irrigation districts have counter interest than the CSDs and it creates a completion for funds and that CSD serving DACs are unable to compete.

Although reluctant, the group agreed this could be a pilot project.

6:05 – Break

Mapping Exercise

Following the break Maria then facilitated the mapping exercise:

She began by asking the participants to look at what are the common needs/issues are in the region. The participants of the sub-region spent close to an hour talking about individual needs, current efforts, past unsuccessful collaborations and even a larger regional surface water solution.

Some of the individual needs mention include:

Armona:

The Armona participant asked if this study could fund a pilot that could help their desire to do a sewer plant expansion. The project team responded that given that Armona is not currently part of the Upper Kings IRWM, Armona would have to choose to partner with a community that is with the Upper Kings IRWM boundaries.

Home Gardens:

The Home Gardens participant reported that they are in need of new water lines, a couple of new sidewalks and streets. He also reported that it is hard for them to collaborate with other because they don't know who to trust.

Current efforts:

- The City of Hanford participant reported that the City is currently helping Hamblin, Lacy Courts MHP and Four Seasons Mobile Home Park address their water needs by consolidating them into City services.

Stratford:

A member of the audience mentioned that Grangeville and Hardwick have identical problem with water quality and septic tanks.

Past unsuccessful efforts:

Armona

The participant reported that they had tried to connect to Grangeville unsuccessfully. He reported that the community of Grangeville is a community of private well owners who did not have interest in becoming part a public water system despite the water quality challenges they were facing. He shared that in his opinion lack of success could be because of personality issues.

The project team reported that this study could help foster collaboration by addressing barriers that prevent communities from consolidating. Lon mentioned that this study could fund an outreach campaign as a pilot project or an "Issues Resolution Evaluation", where the participating agencies could

develop list of technical questions to be researched. The team could then prepare a summary of questions and research conducted to answer them.

The Armoan participant reiterated that they tried and that now they are seeking to address their sewer plant needs.

Home Gardens:

Noted that everyone has to have licensed operator and that this has been challenging for them. He noted that it is hard to hire and retain certified operators because of the lack of certified ones locally and inability to pay competitive wages. He said Home Gardens recently became involved in a project that is seeking to send 10 people to school to get a Tier 1 license. He also noted that they do bill collecting for the garbage service (another company is the provider) and for the one street light. He noted that the sewage goes to Hanford and that they are need of a water operator at the plant five days a week, in case something happens because of the treatment system.

The region could look at sharing an operator to reduce the cost of having one for individual systems. However, the participants had a few questions and concerns, Participates asked who would do the paper work if they decided to consolidate/share the operator. They also noted that they would want copies of all paper work of analysis and work the operator would do perform.

A few concerns were also raised by the sub-region, including the lack of support by board members because there is more than one involved. Armona mentioned that their board is extremely happy with our current contract with the private company. Home Garden said that it is likely their board will complain and won't be open to it.

Others from the audience felt that the communities are just too far from each other.

Sue from SHE asked if a pilot project could focus on the analysis of what works and what doesn't work? And note what is missing? And what is needed in the long term?

Can we do a study that addresses the water needs of the region, and what is going to be needed in the future? For example, the need a larger surface water treatment plant. The participants noted that many had come together in the past (about 5 years ago) to discuss this idea. The original idea included getting water from the aqueduct and those involved included:

- Lomore
- Hanford
- Lomore NAS
- Armona
- Corcoran

Participants seemed excited and interested about this idea, but mentioned that water allotments and lack of readiness may be an issue. It was noted that some preliminary analysis had been done but no one seem to know who had the documents and history.

Lon then mentioned that perhaps another pilot project idea could include looking at the membership issue of the IRWMP boundaries for Armona and Hanford. He noted that maybe the pilot could pay for the completion of the documents/proposal need to formal request inclusion into the Upper Kings

IRWM. However, he noted that it may not be necessary if what is needed doesn't require much technical support.

Next steps and next meeting

The project team will develop a pilot matrix with all the ideas discussed during the meeting and the sub-region will select a pilot project during the next meetings.

The next meeting will be held on March 27, 2013 from 5-7p.m.

Meeting ended at 7:15pm

Kings Basin Disadvantaged Communities Pilot Study

Sponsored by the Upper Kings Basin Integrated Regional Water Management Plan Authority

INVITATION

Local efforts are currently underway to explore regional collaboration to identify and address local water needs. This will be the third meeting in a series of meetings in your area. Don't miss this opportunity to be a part of creating a collaborative approach to water planning, solutions, and funding

**Where: Hanford City Hall- Administrative Room
319 N. Douty St. Hanford, CA 93230**

When: Wednesday, March 27, 2013

Time: 5:00pm – 7:00pm

Purpose of the Meeting

1. Summarize interest of the region
2. Discuss opportunities to build off of past efforts including studies
3. Agree on a joint pilot project

Estudio Piloto Para Las Comunidades de Bajo Recursos
dentro de la Cuenca Alta de Kings

Patrocinado por la Autoridad Integrada Regional del Plan de
Manejo del Agua de la Cuenca Alta de Kings

INVITACION

Esfuerzos locales se están llevando a cabo para explorar la colaboración regional para identificar y abordar las necesidades locales del agua. Esta será la segunda junta de una serie de juntas en su área. No se pierda esta oportunidad de ser parte de la creación de propuestas de colaboraciones para la planificación de las soluciones, y financiamiento del agua.

Dónde: Hanford City Hall- Administrative Room 319 N. Douty St. Hanford, CA 93230

Cuándo: miércoles 27 de marzo del 2013

Hora: 5:00pm-7:00pm

Propósito de la Junta

1. Resume de los intereses de la región
2. Hablar sobre oportunidades para seguir y avanzar los esfuerzos pasados, incluyendo los estudios
3. Ponernos de acuerdo sobre un proyecto piloto conjunto

Kings Basin Disadvantaged Communities Pilot Study

Estudio Piloto Para Las Comunidades de Bajo Recursos dentro de la Cuenca de Kings



Northern Kings County Sub Region
Sub Región Norte del Condado de Kings
March 27, 2013
Sponsored by the Kings Basin Water Authority
Patrocinado por la Autoridad de la Cuenca de Kings

Summary of last meeting Resume de la ultima junta

- Discussed water needs for the sub-region
- Prioritized water issues
- Identified potential pilot projects
- Asked project team to:
 - Refine potential projects and provide opportunities to work together & address issues
- Discusión sobre las necesidades del agua de la sub-región
- Se identificaron los problemas de agua de prioridad
- Se identificaron proyectos pilotos posibles
- Se le pido al equipo:
 - Refinar los posibles proyectos pilotos y proporcionar oportunidades para trabajar juntos y lograr soluciones

Goal of our meeting Meta de la junta

- Summarize priority water issues identified by the sub-region
- Discuss identified opportunities to work together to address water issues
- Select a pilot project for this study to fund
- Resume de los problemas del agua de prioridad que fueron identificados por la sub-región
- Hablar de las oportunidades identificadas para trabajar juntos y hacer frente a los problemas del agua
- Seleccionar un proyecto piloto que este estudio pueda financiar

Priority Water Issues ID by Sub-region Prioridades de los Problemas de Agua de la Sub-región

- Top water issues
 - Wastewater
 - Treatment facility expansion
 - Certified Operators
 - Drinking Water
 - Water quality and water supply
 - Certified operators
 - Not being part of an IRWMA
- Los problemas del agua de prioridad
 - Agua Residuales
 - Expansión de planta de tratamiento
 - Operadores Certificados
 - Agua Potable
 - Calidad y Abastecimiento de agua
 - Operadores Certificados
 - No ser parte de un IRWMA

Identified Potential Pilot Projects

Proyectos Pilotos Identificados

- Wastewater expansion for Armona
- Drinking Water for Grangeville, Armona, Pioneer school, others
- Drinking Water for Grangeville - Hardwick
- Regional Drinking Water Supply for Hanford, Lemoore, Lemoore NAS, Corcoran and Armona
- IRWM representation
 - Armona and Hanford into Upper Kings
 - Creation of a new IRWM region for communities, Cities and Irrigation District in white areas.
- Expansión de planta de tratamiento para Armona
- Agua Potable para Grangeville, Armona, Escuela Pioneer y otros
- Agua Potable para Grangeville y Hardwick
- Abastecimiento de agua regional para Hanford, Lemoore, Lemoore NAS, Corcoran and Armona
- Representación en un IRWM
 - Armona y Hanford en el Upper Kings
 - Desarrollo de una nueva región para las comunidades, ciudades y Distritos de Irrigación en las áreas blancas

Opportunities Matrix: Where we can begin to work on our priorities

Matriz de Oportunidades: Dónde podemos empezar a trabajar en nuestras prioridades



What the Matrix Tells Us

Lo que Nos Dice El Mapa de Oportunidades

- Identifies regional solutions available
- Identifies who could work together
- Lists benefits and barriers (opportunities to address them)
- Lists pilot projects the study can fund
- Identifica soluciones regionales disponibles
- Identifica quien podrían trabajar juntos
- Lista de beneficios y barreras (oportunidades para resolverlos)
- Listas de proyectos pilotos que el estudio puede financiar

Regional Solutions Available

Soluciones Regionales Disponibles

- Wastewater
 - Full or physical consolidation
- Managerial consolidation
 - Managerial and Operations Consolidation
 - Contract administrative and operation functions
- Drinking Water
 - Full or physical consolidation
- Becoming part of IRWMA
 - Eligible communities into UK
 - New region for communities in white areas
- Agua residuales
 - Consolidación completa o Física
- Consolidación Administrativa
 - Consolidación de la operaciones administrativas
 - Contrato administrativas y funciones de operación
- AGUA Potable
 - Consolidación completa o física
- Formando parte de un IRWMA
 - Comunidades elegibles con el UK
 - Nueva región para las comunidades en las áreas blancas

Pilot Projects Available to Advance Solutions: Proyectos Pilotos Disponibles para Avanzar Soluciones:

- Prepare a preliminary grant application for UK IRWMA to seek funding to advance project
- Prepare una solicitud preliminar para la IRWMA de UK preliminar para buscar financiamiento para avanzar en proyecto
- Prepare application material and submit request to become a member of the UK IRWMA
- Preparar el material de la solicitud y presentar solicitud para convertirse en miembro de la IRWMA de UK
- Develop a draft boundary and list of agencies that could participate in a new IRWMA.
- Desarrollar una frontera preliminar y lista de agencias que podrían participar en un nuevo IRWMA.

Selection of a Pilot Project Selección de un Proyecto Piloto

- Review opportunities matrix
 - What opportunities are available to your community?
- Revisión de matriz de oportunidades
 - ¿Qué oportunidades están disponibles para su comunidad?
- Identify what you want to work on
- Identifique en lo que usted desea trabajar
- Identify who you would like to work with
- Identificar con quién le gustaría trabajar
- Select the pilot project(s) of your choice
- Seccione el proyecto piloto de su gusto
- Rank your options (1-2)
- Clasifique sus opciones (1-2)

Selection of a pilot project: Criteria to keep in mind La selección de un proyecto piloto: Criterios que tener en cuenta

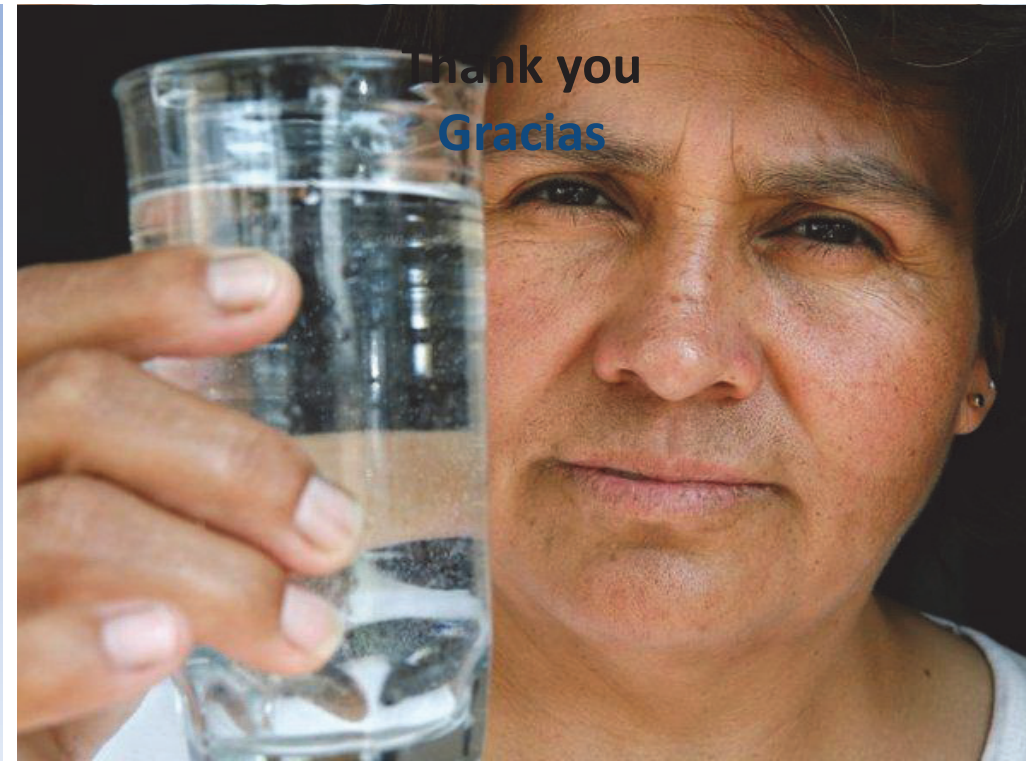
- Who is the most in need?
- ¿Quién es el más necesitado?
- Who has shown interest?
- ¿Quién ha mostrado interés?
- Where do we have the most chances of success?
- ¿Dónde tendremos más posibilidades de éxito?
- What can our limited funding support?
- ¿Qué puede hacer nuestro apoyo financiero limitado?

Where do we go from here? Próximos Pasos

- Next steps
 - For project team
- Próximos pasos
 - Para el equipo de proyecto
- Future next steps for region:
 - How do we keep this effort going (formalizing the group)?
 - How do we engage in the IRWM process
- Futuros próximos pasos para la región:
 - ¿Cómo podemos mantener este esfuerzo (la formalización del grupo)?
 - ¿Cómo participar en el proceso de los IRWMs

Next meeting Próxima junta

- Next meeting
 - May 1, 2013
- Próxima junta
 - 1 de mayo del 2013



Upper Kings Disadvantaged Communities Pilot Study
Northern Kings Sub-Region
Meeting 3
3-27-2013 Hanford

Introductions:

Maria began by welcoming everybody as she introduced herself and everyone went around the room introducing themselves.

Summary of goals of the meeting and Key Points from previous meetings:

Maria then briefly reviewed the goals of this meeting and of the Study. She then reviewed the priority water issues that had been identified by the subregion previous meetings and discussed the potential pilot projects that were identified to address the priority water issues of the subregion.

Pilot Matrix: Opportunities available for the Subregion:

Maria briefly explained the purpose of the pilot matrix. She went over the regional solutions available in the matrix, which included full or physical consolidation for wastewater, managerial consolidation, full or physical consolidation for drinking water, and becoming part of an IRWMA. She then talked about the three different pilot projects that could be funded as part of this study, which included: preparing a preliminary grant, application material, draft boundary for a new IRWMA.

Maria went over the steps in selecting a pilot project, and what criteria to keep in mind.

Lon Martin then explained the matrix in more detail.

He talked about the possible full or physical connection of Armona's wastewater. Home garden had the option of having managerial consolidation or contract administrative and operation functions, by preparing a preliminary grant application or preparing a Needs Assessment.

Grangeville could have a physical connection by preparing a preliminary grant or issue a resolution evaluation.

Northern King sub region could have a regional water supply project. The boundaries of the Upper Kings IRWMP had been an area of discussion as some communities had not been included. Being as such, a possible project could be to prepare material and submit a request to become a member of the Upper Kings IRWMA or develop a draft boundary and list of agencies that could participate.

Lon asked if there was anything else to consider as part of possible solutions.

Selection of a Pilot Project:

Maria reiterated the process to select a pilot project and listed the criteria to keep in mind in selecting a pilot project.

After reviewing the pilot matrix, the Home Garden participant talked about their problem of old pipes, and their lack of funds to help replace the pipes. Lon said that preparing an application to seek funding to replace the infrastructure could be a potential pilot project and discussed the competitive challenges a project like that may face.

The Armona participant noted that their priority was to become part of the Upper Kings IRWMA along with some other communities or small groups.

The top two projects were sharing service operators between communities and working to incorporate Armona in the Upper Kings IRWMA. Lon talked about the possibility of incorporating Armona and do some cost analysis of sharing operators as well.

Lon talked about analyzing Home Garden's sludge disposal as part of two component pilot project that could also include the membership option for Armona.

As a result the subregion selected a pilot project with two components: 1) prepare an Upper Kings IWMA application to join as an Interested Party for Armona CSD and 2) Investigate alternatives for improved treatment process and waste removal options from Home Garden CSD Arsenic Water Treatment Facility.

Next Steps & Next Meeting:

Project team would need to get information on the Home Garden Drinking Water Treatment system in order to identify ways to either modify or reduce the concentration of arsenic in the waste, and work on preparing the necessary documents for Armona to submit to Upper Kings IRWMA.

Next Meeting is scheduled for Wednesday May 1st.

Meeting adjourned.

Kings Basin Disadvantaged Communities Pilot Study

Sponsored by the Upper Kings Basin Integrated Regional Water Management Plan Authority

INVITATION

Come learn about the results of the pilot study your region selected. Local efforts have taken place over the last few months to explore regional collaboration, identify priority water needs and opportunities to solve local water issues together. This will be our last meeting in your area. Don't miss this opportunity to hear the pilot results and discuss ways to continue advancing solutions.

**Where: Board Chambers 1400 W. Lacey Blvd.
Hanford CA. - Admin Building #1**

Date: Wednesday, May 15, 2013

Time: 5:00pm – 7:00pm

Purpose of the Meeting

1. Summarize local interests and intent of pilot project.
2. Provide a brief presentation on the findings of the pilot project.
3. Discuss opportunities to continue advancing solutions in your area.

Estudio Piloto Para Las Comunidades de Bajo Recursos
dentro de la Cuenca Alta de Kings

Patrocinado por la Autoridad Integrada Regional del Plan de
Manejo del Agua de la Cuenca Alta de Kings

INVITACION

Venga y escuche los resultados del estudio piloto que seleccione su región. Esfuerzos locales se han están llevando a cabo en los últimos meses para explorar la colaboración regional, identificar los problemas de agua de prioridad y oportunidades para solucionar los problemas juntos. Esta será la última junta en su área. No se pierda esta oportunidad para escuchar los resultados del piloto y discutir formas de seguir avanzando soluciones.

**Dónde: Board Chambers 1400 W. Lacey Blvd. Hanford CA.
- Admin Building #1**

Fecha: miércoles 15 de mayo del 2013

Hora: 5:00pm-7:00pm

Propósito de la Junta

1. Dar un resumen de los intereses locales e intenciones del proyecto piloto.
2. Dar una breve presentación sobre los resultados del proyecto piloto.
3. Hablar de las oportunidades disponibles para seguir avanzando soluciones en su área.

Kings Basin DAC Pilot Project Northern Kings County Sub-Region Pilot Project: Armona CSD and Home Garden CSD Projects

Provost and Pritchard
Community Water Center
Self Help Enterprises

Funded by: Department of Water Resources
Sponsored by: Upper Kings Basin Water Authority

Pilot Project Selected and Its Purpose

- Pilot Projects Selected (2 Components):
 - Prepare an Upper Kings IWMA application to join as an Interested Party for Armona CSD
 - Investigate alternatives for improved treatment process and waste removal options from Home Garden CSD Arsenic Water Treatment Facility
- Purpose of Pilot Project
 - Foster involvement of Armona CSD in IRWM process
 - Aid Home Garden CSD in lowering operating costs for their Arsenic Treatment Facility

Benefits of the Armona CSD to become an Interested Party Pilot Project

- Pilot can facilitate future discussions between Armona CSD and Upper Kings IRWMA to discuss interest in expanding the current Upper Kings RWMA's boundaries to include Armona and possibly the City of Hanford
- If agreement is reached, this will enable Armona CSD to participate in IRWM funding opportunities and plan updates, as appropriate

Benefits of the Investigating Home Garden CSD Arsenic Treatment Solids Handling Pilot Project

- Evaluate potential options to improve the solids handling and reduce operations and maintenance costs for the Home Garden CSD and possibly for other communities using similar treatment facilities
- Prepare project description and technical information needed to increase Home Garden's ability to seek grant funding

Steps Taken to Complete Pilot Project

- Armona CSD
 - Prepare **membership** application for submittal to Upper Kings IRWMA
- Home Garden CSD
 - Conducted a field review of treatment facility on May 1, 2013
 - Contacted Summers Engineering to obtain treatment system design assumptions
 - Obtained historic costs for solids disposal from Home Garden **CSD**
 - Reviewed treatment system information from the manufacture, Layne Christensen

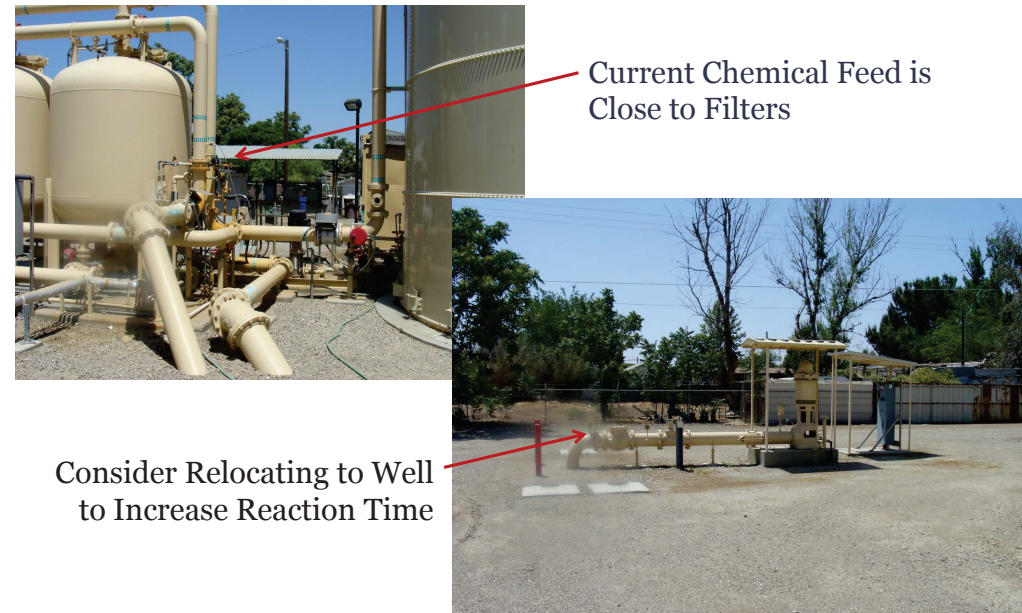
Home Garden Preliminary Technical Report: Two Types of Solutions for Solids Handling

- All improvement concepts investigated are listed, additional engineering analysis will be necessary to verify the best alternative.
 - **Process Improvements**
 - **Sludge Management and Disposal Alternatives**

Preliminary Technical Report: Process Improvements

Alternative	Process Change	Estimated Cost
Modify Chemical Feed Location	Move Chemical Feed Locations Closer to Well	\$5,000
Backwash Frequency	Increase Backwash Frequency Once per Day	\$1,000
Chemical Feed	Automate Chemical Feed Systems	\$10,000

Chemical Feed Location Change



Increase Backwash Frequency



Backwash based on differential pressure or once per day during peak production months (summer).

Automate Chemical Feed Systems



Chemical dose does not change with flow potentially increasing chemical costs.

Home Garden CSD: Advantages and Disadvantages of Process Adjustments

Process Adjustments	Advantages	Disadvantages
Modify Chemical Feed Locations	Optimizes chemical reaction time before the filters	May have little impact on amount of sludge produced Estimated Cost \$5,000
Increase Backwash Frequency	Keeps the filter bed cleaner and will ensure a longer media life. Estimated Cost \$1,000	Increase in water needed for water backwashing. Volume of sludge will likely not change.
Automate Chemical Feed Systems	Ensures chemicals will be dosed optimally at all times.	May have little impact on amount of sludge produced. Estimated Cost \$10,000

Home Garden CSD: Disposal Quotes and Costs

Disposal Cost Quotes

Contractor Cost Estimates	Classification	Approx. Estimate
10 Ton Load	Hazardous	\$6,800
Single Load	De-watered and Hazardous	\$4,800
Potential Cost Savings Liquid versus Solid: 29%±		

Historic Costs

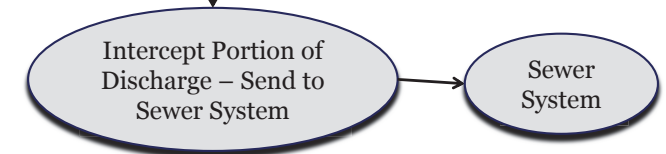
Removal Date	Volume/Classification	Approx. Cost
April 2012	Unknown Volume & Hazardous	\$5,114
September 2012	5,000 gal – Unknown Class	\$3,380
April 2013	Unknown Volume & Class	\$3,880

Home Garden CSD: Disposal Alternatives

All disposal concepts investigated are listed, **additional engineering analysis** will be necessary to verify a viable alternative.

Alternative	Process Change	Estimated Cost
Discharge filter backwash to Sewer System	Divert some backwash flows to sewer to reduce solids disposal	Additional investigation required
Partner with local agency to provide dewatering services	Identify agencies with dewatering facilities and seek inter-agency agreement	Additional investigation required
On-site dewatering system	Identify dewatering technology and construct on-site	\$40,000-\$60,000

Disposal Alternative: Sewer System



Disposal Alternative: Partnering Agency



Disposal Alternative: On-Site Dewatering System



Home Garden CSD: Advantages and Disadvantages of Disposal Alternatives

Disposal Alternatives	Advantages	Disadvantages
Discharge to Sewer System	Reduced volume of solids requiring disposal	Discharge Agreement, Connection Fee, Sampling Costs, Monthly Fees
Partnering Agency	Combined dewatering and disposal costs can be shared	Developing interagency support, and cost sharing agreement
On-Site Dewatering	Reduction of solids volume	System will consume site space and increase maintenance costs
Contract Disposal – Keep current process	Currently actual costs are reasonable, \$7,000-\$9,000/year	Annual cost volatility due to hazardous classification and contracting environment

Next Steps for Home Garden CSD

- **Process Improvements:**
 - Test treatment system optimization suggestions and evaluate improvements
 - Engage Potential Partnering Agencies for solids dewatering and disposal
 - Investigate potential for sewer connection
- **Disposable alternatives:**
 - Consider bidding multiyear contract for solids disposal to fix costs
 - Seek funding to evaluate solids handling alternatives and, if appropriate, construction

Next Steps for Armona CSD

- **Initiate discussions with UK IRWMG to discuss extension of Boundaries**
- **Designate Armona representative and alternate**
- **Submit membership application to the UK IRWMA**
- Lon I am not sure what they have to do or of the sequence but we should provide a few bullets for them

Funding Sources To Consider

- **CDPH** - If seen as a Drinking Water issue, potentially CDPH funding could be requested. However, CDPH funding priority would likely be low since arsenic MCL violation has already been “solved”
- **SWRCB** - If seen as a Wastewater Disposal issue, potentially State Water Resource Control Board (SWRCB) could be requested. However, it may be difficult to show need for funding, if current disposal process is in compliance with RWQCB requirements.
- **Community Development Block Grant (CDBG)**
 - The County of Kings on behalf of the Home Garden CSD could apply to the State Dept. of Housing and Community Development for a Planning and Technical Assistance Grant for up to \$50,000 to evaluate solid handling alternatives.
 - It would be difficult to fund construction of improvements with CDBG since since arsenic MCL violation has already been “solved” and if current disposal process is in compliance with RWQCB requirements.
- **USDA**
 - Uncertain if Home Garden is eligible for USDA funding due to proximity to Hanford (checking with USDA)
- **IRWMP**
 - Uncertain how well this would rate and rank as a project. Need to distinguish between O&M cost that would not be eligible and a “project”

Funding - Criteria

- Distinguish this project from an O&M issue
 - Physical Plant modifications are necessary to promote affordability
- Median Household Income (MHI)
 - The Annual MHI for Home Garden as determined by the 2007-11 American Community Survey is \$36,488 +/- \$7,741 – 59.2% of statewide MHI – therefore Home Garden qualifies as a SDAC. This is helpful in meeting threshold criteria to qualify for some State funding programs.

Meeting Minutes for 4th Meeting in N. Kings

- Attendance:
 - SHE: Paul Boyer & Harold Porras
 - P&P: Heather Bashian & Lon Martin
 - CWC: Maria & Carolina
 - KRDC: Eric Osterling
 - Armona: Jim Maciel
 - Additional person:
- A summary of the goals and objectives of the study was provided
- The project team then provided a presentation on the Pilot Projects Selected:
 - UK IWMA app to join as Interested party for Armona CSD
 - Investigate alternatives for improved treatment process and waste removal for Home Garden CSD Arsenic Water Treatment Facility
 - Objectives of the pilot project were also discussed.
- Benefits of the pilot:
 - For Armona: to discuss with UK expanding boundaries of UK to include Armona
 - If approved, IRWM funding opportunities and plan updates
 - For Home Garden:
- Steps taken to complete pilot project were then reviewed
- 2 types of solutions reviewed for Home Garden
- Next steps for each community discussed
- Paul Boyer then reviewed funding sources to consider. He pointed out that because Home Garden doesn't have a health risk from arsenic levels, this project may actually be hard to fund.
- Maria notes: this pilot could help inform future treatment facilities. The report could help inform others that explore similar issues.
- Paul notes: do engineers get operators involved in design review process—maybe they should. Lon agreed with that.
- Lon went over timeline for ending project.
- Eric gave feedback that the process outlined for Armona makes sense. The application will be the “asking”.