

**APPENDIX N**  
**WESTERN FRESNO COUNTY MEETING MATERIALS**



# Kings Basin Disadvantaged Communities Pilot Study

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

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## 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: Social Hall of the Templo Sinai Church(across from the fairgrounds)***

***13588 S. Raider St. Caruthers, CA 93609***

***When: Thursday August 16<sup>th</sup>, 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

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

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# 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: Cuarto Social del Templo Sinai (enfrente de los terrenos de la feria)***

***13588 S. Raider St. Caruthers, CA 93609***

***Cuándo: jueves, 16 de agosto del 2012***

***Hora: 5:30pm – 7:30pm***

## ***Propósito***

Esta junta es la primera de una series de juntas para hablar sobre el desarrollo de un enfoque de colaboración regional para la planificación de los recursos hídricos, 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 hagan frente a otras necesidades del agua de la comunidad.

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# INVITACION

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**Donde:** *Parque Kercghoff en el cuarto “Scotthead Room”  
15061 W. G Street Kerman CA (utilice la entrada al sur del  
parque)*

**Cuándo:** *martes, 21 de agosto del 2012*

**Hora:** *5:30pm – 7:30pm*

## *Propósito*

Esta junta es la primera de una series de juntas para hablar sobre el desarrollo de un enfoque de colaboración regional para la planificación de los recursos hídricos, 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 hagan frente a otras necesidades del agua de la comunidad.

# Kings Basin Disadvantaged Communities Pilot Study

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

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## 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: Kercghoff Park "Scotthead Room"  
15061 W. G Street Kerman CA (use South Side  
Entrance to park)***

***When: Tuesday August 21, 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.

# Kings Basin Disadvantaged Communities Pilot Study

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



West Fresno Sub Region  
Sub Región del Oeste de Fresno  
August 16, 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

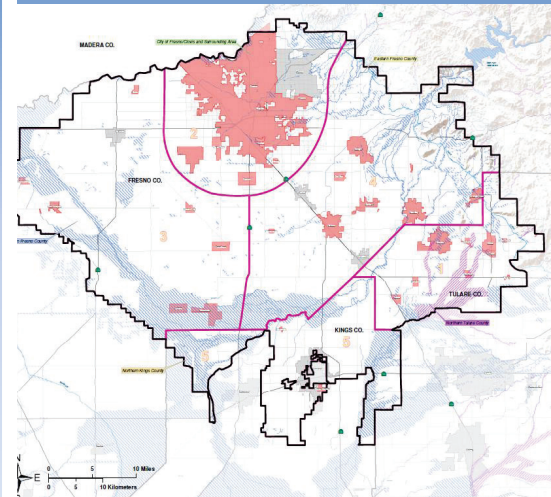
- Provide information on the project
- Learn about our neighbors
  - challenges
  - current needs
  - opportunities
- See if there is interest in setting goals and moving forward
- Proporcionar información sobre el proyecto
- Aprender de nuestros vecinos en la región
  - Problemas
  - Necesidades actuales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

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



- Document water needs of DACs
- 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 de las DACs
- 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                    |

## West Fresno Sub Region #2 Región # 2 Región del Oeste de Fresno

## 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              | • Consolidación Administrativa      |
| • Operational Consolidation (Technical) | • Consolidación operativa (técnica) |
| • Physical consolidation                | • Consolidación física              |
| • Full consolidation                    | • Consolidación completa            |

Holding slide for Joe



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



## 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

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



## Types of analysis that can help address concerns of the region

### Project Scenarios Analysis

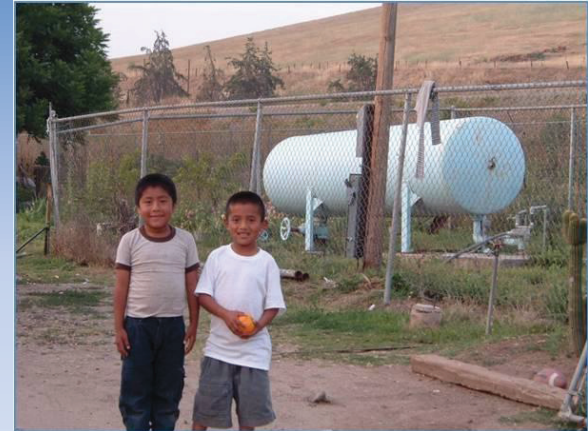
- Staffing and Services analysis
- Affordability (Rate analysis)
- Governance Structure Scenarios
  - Pros and Cons, representation, accountability and transparency
  - JPA -vs Districts Boundaries

### Análisis de los escenarios de los proyectos

- Análisis de los servicios y personal
- Tarifas Económicas (análisis de las tarifas)
- Escenarios de la Estructuras de la Gobernanza
  - Lo bueno y lo malo, representación , contabilidad y transparencia
  - JPA vs. Fronteras de los Distritos



**LEARN FROM OUR NEIGHBORS: HOW WE  
LOOK AS A REGION**  
**APRENDER DE NUESTROS VECINOS:  
¿COMO NOS VEMOS COMO 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:**  
Lon Martin – *Provost & Pritchard*  
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Phone: 559.733.0219 e-mail:  
[laurel.firestone@communitywatercenter.org](mailto:laurel.firestone@communitywatercenter.org)
  - Paul Boyer – *Self Help Enterprises*  
Phone: 559.802.1681 e-mail:  
[paulb@selfhelpenterprises.org](mailto:paulb@selfhelpenterprises.org)
  - **Equipo del proyecto:**  
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  - Laurel Firestone – *El Centro Comunitario por el Agua*  
Teléfono: 559.733.0219 Correo electrónico:  
[laurel.firestone@communitywatercenter.org](mailto:laurel.firestone@communitywatercenter.org)
  - Paul Boyer – *Self Help Enterprises*  
Teléfono: 559.802.1681 Correo electrónico:  
[paulb@selfhelpenterprises.org](mailto:paulb@selfhelpenterprises.org)
- Project website:**  
[http://www.krcd.org/water/ukbirwma/dac\\_pilot\\_study.html](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](http://www.krcd.org/water/ukbirwma/dac_pilot_study.html)

Kings Basin Disadvantaged Communities Pilot Study  
West Fresno Sub-region Kick off Meeting  
08/16/12 5:30-7:30p.m.

**Minutes**

5:30pm- Introduction, review of the agenda and goal of the meeting:

Abigail Solis began the meeting by thanking everyone for coming, and introduced herself along with Maria Herrera. The attendants went around the room and introduced themselves and stated why they were here.

5:45 Goals and Purpose of the project:

Abigail went over the goal of the meeting and provided general information on this project. Maria gave a background on this project she highlighted how this project is the new way the state is funding regional planning. She also noted that in order for this project to be effective we need to document the water needs of this region, and that makes it very important for residents to be present at these meetings to discuss the needs and common goals.

She showed everyone the regions on the map, and gave a small background on how it's been going with other regions, but highlighted the West Fresno region.

5:50pm Regional Collaboration: what it means, specific case studies and how it can benefit our communities:

Maria discussed the other options to the meaning "consolidation" other than solely pipe to pipe. Such as: Managerial, operational, physical, and full consolidation.

Joe Prado shared a management and operational example of Fresno County, they manage 129 special districts. He mentioned that all operators are fully certified in both water and wastewater.

Frank Coehlo asked if all these districts are financially self-sufficient. Joe Prado responded that the majority of them have a 50% reserve, while others do not meet that. Every community approves a rate increase. Juventino asked why Lanare is separate from the Fresno County Service area the response is that Lanare has their own CSD. Although it is within the same county different boards govern that area. They can choose however to dissolve their own CSD and join to be a CSA (county service area.)

All 129 districts share the cost for all the field operators.

The next example he shared was a physical consolidation, between Cantua Creek, El Porvenir and Westside Farm and Houlding Farms. This would be a county/private consolidation. Cost would minimize by reducing operation and treatment costs by 25%.

Joe also presented on a private sector example. Quail Lake community is dissolving their district and wanting to pass their assets to Cal Water (a private water company.) The community saw the benefit in a decrease in water and sewer costs by 6%. Cal Water can provide the money for fixing by putting the money up front and the community can pay off the rate smoothly, as to where a County Service Area cannot do that.

Abigail presented on another example of regionalization, Lower Rio Grande in New Mexico. Because of the economies of scale the decrease in rates was substantial. The group watched the Lower Rio Grande consolidation video.

Maria went over the reviewed benefits of collaboration and highlighted that in New Mexico it took a team to achieved success. She then highlighted that this region has a team available that includes, Community Water Center, Self Help Enterprises and an engineering firm, Provost and Pritchard.

Representatives from each of the project team orgs provided a brief description as project team members

Maria noted that the role of Community Water Center as a project team member was to facilitate discussion among communities to have a common understanding of the needs, opportunities and help identify and address concerns and barriers to ensure communities can work together.

Paul Boyer talked about the grant we have received mentioning that it is very rare and should be taken advantage of. There has been an inventory put together about the communities in need and we need meetings like this to get common solutions formed by the group. He mentioned the big importance of the input from everyone present at these meetings.

Lon Martin introduced himself and his role in this project, technical analysis. His goal is to put together the pre application for the grant to obtain funding for the project they decide on.

6:25pm How we look like as a region:

Carolina Balazs presented on learning from our neighbors: how we look as a region. She gave an overview of the west Fresno region. The west Fresno region holds 20+ communities. Water quality needs in this region are contaminants such as arsenic, uranium, bacteria, fluoride. She also said that a need is the number of sources, flood risk and wastewater problems. Carolina asked for other issues that were missed from the attendees, among them were; septic overflowing and storm water drains overflow in Lanare and fluoride exemption (up to 3ppm) for Riverdale.

6:48pm Maria went over the question sheet to try and further discuss the responses.  
(Carolina wrote down the answers on the easel pad paper)

What are the benefits of collaboration?

- Improvements in communities
- Potential to reduce cost and improve efficiency
- Improved reliability if sources are connected
- Improvements in end costs
- Long term sustainability

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

- Community
- Funding sources
  - State
  - Federal
  - Government (main thing)
- Technical expertise

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

- Income data/medium household income
- Case studies on what has been done
- We lack resources but have lots of projects

Does this area have any positive experiences with area-wide planning? If so, what accounted for the success?

- County talked about collaboration
- Key to Cantua Creek and Provenir
- Having the County pass prop. 218
- The County looked at low hanging fruit

And what can experience teach us about what to do and not to do in this project?

- Project with community and school
- We want a survey from property owners saying they support consolidation
- Private business/sector and systems
  - Public –private systems
  - Private can help finance

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

- Fear of the unknown by community
  - Would lead to new development
- People afraid that water resources will be taken away from them

- Hard to get transportation to go these meetings
- If any party thinks they will be a loser
- One consolidation that failed was because they wanted a legal contract
  - Having a quasi MOU could help
- People need to be able to afford the rates
- Disposable income is necessary
- There is room for development in Lanare that could be improving, but nothing is progressing

Are there any risks to going forward with a collaborative effort? If so, what are they?

- Losing control of your water resources
- Or operation
- If Lanare stays out of planning, it will continue to stay on margins and get worse

What are the risks of not moving forward with a collaborative effort?

- Staying the same way
- You can't look at your community the face and say we have looked at all options
- We might miss the opportunity to do something comprehensively
- Can't take advantage of the future opportunities of IRWMPS it's not just this year, it's future years

7:10 pm summarizing main points of meeting and next steps

Maria asked if people are still interested in discussing these kinds of efforts. People showed their interest

7:11pm Next meeting, meeting location and agenda items for future meetings:

The meeting location that is centralized was pinpointed as Raisin City. Thursday worked for most as well as the time.

Joe Prado would like to hear people's pilot projects or ideas and discuss how to accomplish the goal.

Maria reminded everyone to sign in, and invite any other people that they think should be at these future meetings.

Agenda items for future meeting:

- Water needs (maps)
- Review of questions and answers (focus on ways to look at barriers/concerns and turn them into opportunities)
- Discuss potential pilot projects and collaboration ideas

7:15pm Meeting Adjourned



## Minutes from Meeting in Kerman (W. Fresno)

August 21, 2012

- Janette from CRLA was here to shadow Maria & Abi
- 1 woman from Biola CSD—she is the Biola Secretary to the Board and is Assistant to the manager
- Maria noted that last week we had a meeting and there was discussion of moving the next meeting location in Raisin City
- Maria gave overview on what IRWMPs are
- She noted that there are 6 IRWMPs in Tulare Lake region: \$60 million, 10% of funding should go to fund DAC needs
- In general there's been little participation from DACs in the region
- Maria then gave a summary of the goals of the project, and noted promotion of regional goals but also that we are open to other ideas that communities may have
- We want to hear from you about what the needs are in your community
- This study provides immediate funding to explore regional collaboration & support the implementation of solutions.
- The project team, and CWC in particular, is trying to bring together communities
- Paul spoke about Self Help and gave project-relevant updates:
  - The state has chosen the UK IRWMP to look at DACs for water and wastewater to get on a level playing field because DACs are competing for funds against very large systems
  - KRDC office will be talking about what's needed for potential projects that will be due on September 7<sup>th</sup>: in past years City of Fresno and Clovis got funds for water meters, etc.
  - What this process will do is that you'll be that much further ahead when there's another round of funding
  - Is there a need you have that you can collaborate with another agency on—could be a non-traditional agency (e.g. a school, or an irrigation district)
- Provost & Pritchard provides technical support:
  - As the regions develop consensus behind a project or through a solution of consolidation
  - Once there's support, a pre-application could be helpful if you want to submit a project for funding, a pre-application could help get a jump-start
  - It's not a full-blown engineering ready-to-construct, but it's more information to take next step with regards to grant funding, or take next step in general
- The attendant asked how much engineering they would need to bring in:
  - P&P would help do enough preliminary work and submit it to the UK Forum for a planning grant, that would allow them to get whatever funds are needed to do a full-blown study
- The attendant also asked if the project has to be collaboration focused:
  - Lon clarified that that is indeed the intent of the project

- Joe Prado gave an presentation on his 120 special districts covering 30,000 people
- He noted that the majority of resources they have go towards water and wastewater
- He gave an overview of the benefits of the CSA approach: shared costs spread across all systems
- He gave an example of managerial, technical and operational consolidation—only for CSAs or Waterworks
- He then also presented a physical consolidation example: El Porvenir & Cantua Creek that both have high rates. People wanted to do whatever was possible to reduce rates.
  - Project looks at installing a pipeline between those two, but then the state told them about two other farms that are in violation and are interested in joining
  - That wouldn't have been possible with previous SRF funding guidelines, where projects could only obtain up 80% in grant funding leaving communities to seek loans to cover the additional 20%. But with Assemblymember Perea's Bill AB 938, it's now possible because severely disadvantage communities can now obtain up to 100% in grant funding.
- He went over how the county is not the “biggest bang for your buck”
  - Quail Lake had a 60% rate increase, but are interested in having CalWater provide service
  - CalWater has a \$10million credit line that can be tapped into for repairs, but when something breaks at Quail Lake with the County, there's no funding mechanism to loan out of its general fund.
  - Joe clarified that CalWater is out of Coalinga
  - He also clarified there's pros/cons in either option:
    - In the public model, the community votes
    - The private model, the PUC approves
- Maria gave a handout on the New Mexico case study
- Biola resident states that they have flooding issues that were not represented in the map – Biola would be looking for funding to resolve this issue.
- Paul noted that their maybe a way to funnel the water from Biola to a recharge basin (work with an irrigation district).
- Joe noted that he has been looking into area that have submitted projects for CDBG funds for needs such as flooding.
- Carolina handed out table of more comprehensive (detailed information on the needs of the region).
- Biola resident noted that Biola has been seeking funds to address wastewater needs (?)
- She also stated that Biola needs to expand sidewalk projects to comply with wastewater needs so that they're above the flooding level.
- Paul noted that he drove by “Community 235” and that it has MHP and some trailers and homes and he imagines it is a DAC. He imagines that since they're close to others that have Uranium

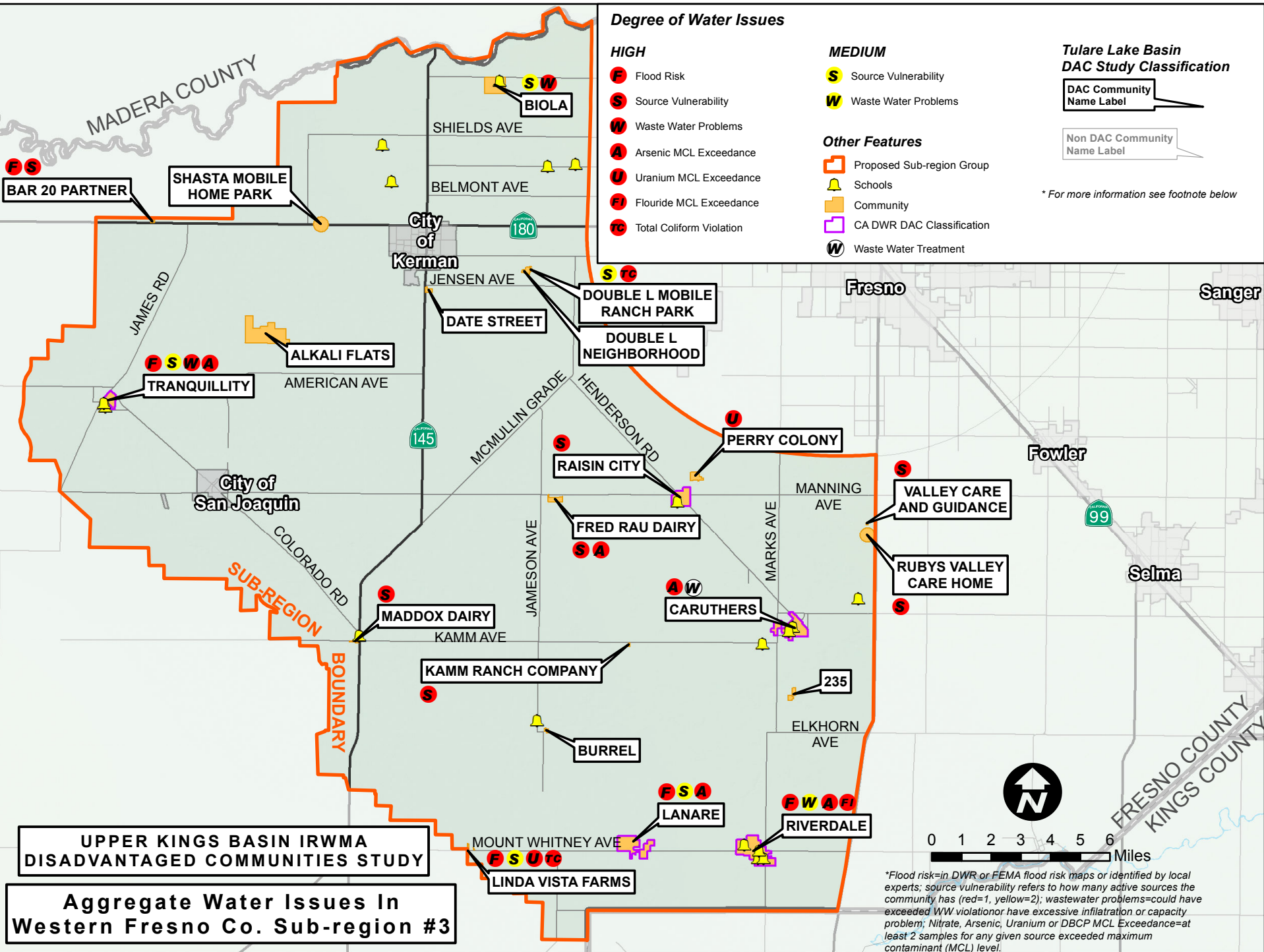
and Arsenic it would be great to fund sampling of private wells because he suspects private well owners are also impacted by water quality issues

- Biola resident needs new well for fire flow
- Then Maria led us through Q&A:
- Are there other people that should be part of these efforts?
  - In Biola there are service clubs that could be helpful
- Who should be involved?
  - Have technical people and Groundfloor people
- Do you know of any positive experiences with regional collaborations?
  - Joe noted that the rate adjustment process was helpful for communities
  - Keep community leaders in the loop through the process, and noted that this is not a sprint it's a marathon
- Any drawbacks or risks?
  - Joe Prado noted that there was a failure with Cumorah—they started doing some hydrostudy work, but the community ultimately vetoed—there was fear that there could be future development that would tap into the pipeline. The community wanted a contract to assure.
  - Biola resident noted “there's fear of the government”, and that trust has to be built
  - Joe asked that if we kept government out of it if it would be more successful in the Biola area. The Biola resident did mention that without government there would be more interest. A discussion pursued about people/communities in a similar problem might be more willing to band together
- What are the risks of not moving forward?
  - No pain no gain
  - Maria asked how we can build trust in the Biola's community. She noted that Biola is 95% Hispanic and a large percentage doesn't speak English and are farm-workers and low income. As a district they're learning how to relate to the Hispanic community. They know they have to raise their rates
  - Joe noted that they've looked at water & sewer Consumer Price Index (CPI) and found that that it's been going up 6% per year for water/sewer/garbage. The rate structure basically needs to keep up with that trend, or else at some point there's a 60% increase in rates. As water infrastructure ages, costs are going up. People haven't put in money to upgrade infrastructure, and so districts Band-Aid the problems.
  - Biola resident noted that the survey wasn't done in their zip code. They surveyed the entire area, which included self-employed people in farming.
- Is there interest?
  - Probably but wants to discuss it with her team members.
  - Tues/Thurs are good days, Wednesday are meeting dates for them
  - Raisin City could probably work
- Carolina asked if the Biola resident knows of other communities to invite:
  - Date Street has connected to City of Kerman

- Biola resident will find out if they've connected to Kerman
- Paul added that:
  - He toured San Joaquin
  - Raisin City, and when well testing was going on there was talk of joining with Perry Colony but the state cap didn't allow Perry Colony to be included. So Paul asked if there was an interest, is it a possibility for Perry Colony
  - Joe noted that the county doesn't want to be perceived as pushing consolidation. But if someone from that community contacts Joe then it could definitely be a possibility. The well at Raisin City only meet's the community's capacity, but we could look into it more. Correspondence from Perry Colony would be helpful.
- Biola resident noted that Biola "is a city on the move and just doesn't have enough money to do what it needs to do."
- Joe offered that if San Joaquin is interested there's possibility because it's on the route to CSA 30 and 32. To this, Paul also noted that Biola might want to look into the wastewater

System Name	Water Type	Population Served	DAC Status	Active Sources	Flood Risk (FEMA or DWR)	Potentially has exceedance of permitted flow	Potentially has Excessive Infiltration	WW Violations	Nitrate Exceedance of MCL or 1/2 MCL	Total Coliform Rule MCL Violation	Arsenic Exceedance	Flouride Exceedance	Uranium Exceedance	Total Reds
235	Unknown	35	DAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	0
ALKALI FLATS	Unknown	100	DAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	0
BAR 20 PARTNER	Groundwater	60	SDAC	1	Yes	N/A	N/A	N/A	Green	Unknown	Green	No Data	No Data	2
BIOLA CSD	Groundwater	1200	SDAC	2	No	Red	Yellow	Yellow	Green	Unknown	Green	No Data	No Data	1
BURREL	Groundwater	16	DAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	0
CARUTHERS CSD	Groundwater	2103	DAC	4	No	Green	Green	Green	Green	Unknown	Red	No Data	No Data	1
DATE STREET	Groundwater	22	SDAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	0
DOUBLE L MOBILE RANCH PARK	Groundwater	80	SDAC	2	No	N/A	N/A	N/A	Green	Red	Green	No Data	Green	1
DOUBLE L NEIGHBORHOOD	Unknown	70	SDAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	0
FRED RAU DAIRY	Groundwater	80	SDAC	1	No	N/A	N/A	N/A	Green	Unknown	Red	No Data	No Data	2
KAMM RANCH COMPANY	Groundwater	1	SDAC	1	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	1
LANARE CSD	Groundwater	300	DAC	2	Yes	N/A	N/A	N/A	Green	Unknown	Red	No Data	No Data	2
LINDA VISTA FARMS	Groundwater	40	SDAC	2	Yes	N/A	N/A	N/A	Green	Red	Green	No Data	Red	3
MADDOX DAIRY	Groundwater	3	SDAC	1	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	1
PERRY COLONY	Groundwater	50	DAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	Likely	1
RAISIN CITY	Groundwater	350	SDAC	1	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	1
RIVERDALE PUD	Groundwater	3000	DAC	3	Yes	Yellow	Green	Yellow	Green	Unknown	Red	Red	No Data	3
RUBYS VALLEY CARE HOME	Groundwater	158	DAC	1	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	1
SHASTA MOBILE HOME PARK	Unknown	20	SDAC	Unknown	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	0
TRANQUILLITY	Groundwater	820	DAC	2	Yes	Green	Yellow	Red	Green	Unknown	Red	No Data	Green	3
VALLEY CARE AND GUIDANCE	Groundwater	158	DAC	1	No	N/A	N/A	N/A	No Data	Unknown	No Data	No Data	No Data	1

Características de la Comundiad				Características Físicas	Inundacion	Características de Planta de			Calidad de Agua (2008-2010)					
Nombre de Sistema	Nombre de Comunidad	Poblacion	Estatus de DAC	Fuentes de Agua Activas	Riesgo de Inundacion	Potencial de tener demasiada infiltracion	Potencial de estar pasado la capacidad	Violacion de Aguas Negras	Sobrepaso el MCL de nitrato o 1/2 del MCL	Violacion del MCL de Coliformes Totales	Sobrepaso el MCL de Arsenico	Sobrepaso el MCL de Fluoro	Sobrepaso el MCL de Uranio	Cantidad de Alto Riesgo
235	No se sabe	35	DAC	No se sabe	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	0
ALKALI FLATS	No se sabe	100	DAC	No se sabe	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	0
BAR 20 PARTNER	Agua subterranea	60	SDAC	1	Si	N/A	N/A	N/A	Bajo Riesgo	No se sabe	Bajo Riesgo	No Existen Muestras	No Existen Muestras	2
BIOLA CSD	Agua subterranea	1200	SDAC	2	No	Riesgo Alto	Riesgo Mediano	Riesgo Mediano	Bajo Riesgo	No se sabe	Bajo Riesgo	No Existen Muestras	No Existen Muestras	1
BURREL	Agua subterranea	16	DAC	No se sabe	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	0
CARUTHERS CSD	Agua subterranea	2103	DAC	4	No	Bajo Riesgo	Bajo Riesgo	Bajo Riesgo	Bajo Riesgo	No se sabe	Riesgo Alto	No Existen Muestras	No Existen Muestras	1
DATE STREET	Agua subterranea	22	SDAC	No se sabe	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	0
DOUBLE L MOBILE RANCH PARK	Agua subterranea	80	SDAC	2	No	N/A	N/A	N/A	Bajo Riesgo	Riesgo Alto	Bajo Riesgo	No Existen Muestras	Bajo Riesgo	1
DOUBLE L NEIGHBORHOOD	Unknown	70	SDAC	Unknown	No	N/A	N/A	N/A	No Sampling Data	Unknown	No Sampling Data	No Sampling Data	No Sampling Data	0
FAlto RiesgoRAU DAIRY	Agua subterranea	80	SDAC	1	No	N/A	N/A	N/A	Bajo Riesgo	No se sabe	Riesgo Alto	No Existen Muestras	No Existen Muestras	2
KAMM RANCH COMPANY	Agua subterranea	1	SDAC	1	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	1
LANARE CSD	Agua subterranea	300	DAC	2	Si	N/A	N/A	N/A	Bajo Riesgo	No se sabe	Riesgo Alto	No Existen Muestras	No Existen Muestras	2
LINDA VISTA FARMS	Agua subterranea	40	SDAC	2	Si	N/A	N/A	N/A	Bajo Riesgo	Riesgo Alto	Bajo Riesgo	No Existen Muestras	Riesgo Alto	3
MADDOX DAIRY	Agua subterranea	3	SDAC	1	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	1
PERRY COLONY	Agua subterranea	50	DAC	No se sabe	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	Riesgo Alto	1
RAISIN CITY	Agua subterranea	350	SDAC	1	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	1
RIVERDALE PUD	Agua subterranea	3000	DAC	3	Si	Riesgo Mediano	Bajo Riesgo	Riesgo Mediano	Bajo Riesgo	No se sabe	Riesgo Alto	Riesgo Alto	No Existen Muestras	3
RUBYS VALLEY CARE HOME	Agua subterranea	158	DAC	1	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	1
SHASTA MOBILE HOME PARK	No se sabe	20	SDAC	No se sabe	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	0
TRANQUILLITY	Agua subterranea	820	DAC	2	Si	Bajo Riesgo	Riesgo Mediano	Riesgo Alto	Bajo Riesgo	No se sabe	Riesgo Alto	No Existen Muestras	Bajo Riesgo	3
VALLEY CARE AND GUIDANCE	Agua subterranea	158	DAC	1	No	N/A	N/A	N/A	No Existen Muestras	No se sabe	No Existen Muestras	No Existen Muestras	No Existen Muestras	1



**Grado de Problemas de Agua**

**ALTO**

- F** Riesgo de inundacion
- S** Vulnerabilidad de la fuente de agua
- W** Problemas con sistema de aguas negras
- A** Sobre-paso el MCL de arsenicum
- U** Sobre-paso el MCL de uranio
- Fl** Sobre-paso el MCL de fluoruro
- tc** Violacion del MCL de Coliformes Totales

**MEDIANO**

- S** Vulnerabilidad de la fuente de agua
- W** Problemas con sistema de aguas negras

**Otras Caracteristicas**

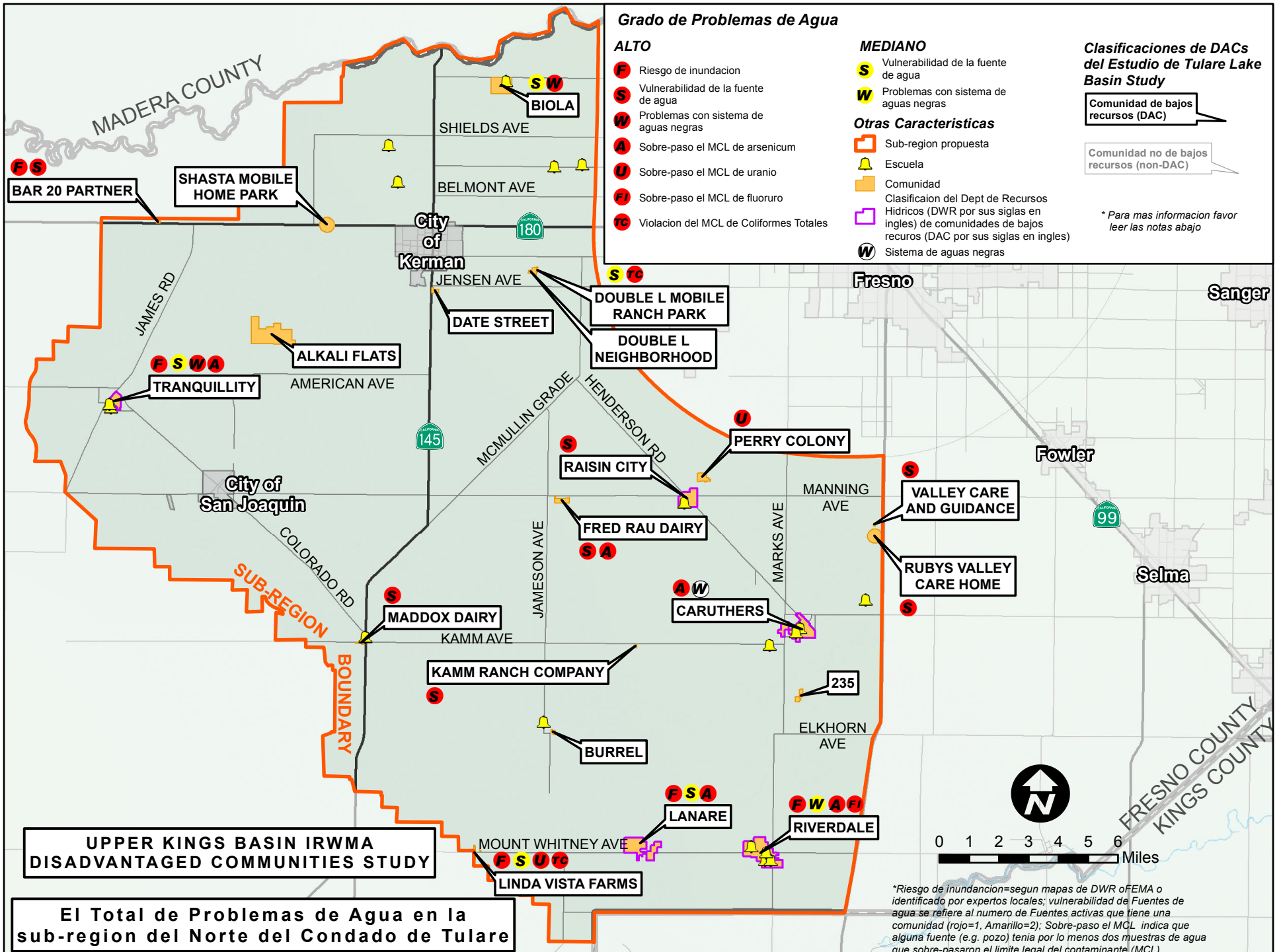
- Sub-region propuesta
- Escuela
- Comunidad
- Clasificacion del Dept de Recursos Hidricos (DWR por sus siglas en ingles) de comunidades de bajos recursos (DAC por sus siglas en ingles)
- Sistema de aguas negras

**Clasificaciones de DACs del Estudio de Tulare Lake Basin Study**

Comunidad de bajos recursos (DAC)

Comunidad no de bajos recursos (non-DAC)

\* Para mas informacion favor leer las notas abajo



**UPPER KINGS BASIN IRWMA DISADVANTAGED COMMUNITIES STUDY**

**El Total de Problemas de Agua en la sub-region del Norte del Condado de Tulare**

\*Riesgo de inundacion=segun mapas de DWR oFEMA o identificado por expertos locales; vulnerabilidad de Fuentes de agua se refiere al numero de Fuentes activas que tiene una comunidad (rojo=1, Amarillo=2); Sobre-paso el MCL indica que alguna fuente (e.g. pozo) tenia por lo menos dos muestras de agua que sobre-pasaron el limite legal del contaminante (MCL)



Kings Basin Disadvantaged Communities Pilot Study  
Western Fresno County Sub region

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

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# INVITATION

Local efforts are currently underway to explore regional collaboration to identify and address local water needs. This will be the second 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:** Raisin City School District,  
6425 W. Bowles Avenue Raisin City, CA

**When:** Thursday October 4th, 2012

**Time:** 5:30pm – 7:30pm

## Purpose of the Meeting

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

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

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

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# 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:** Cafetería de la escuela de Raisin City  
6425 W. Bowles Avenue Raisin City, CA

**Cuándo:** Jueves 4 de octubre 2012

**Hora:** 5:30pm-7:30pm

## *Propósito de la Junta*

1. Resume de las metas y objetivos del proyecto y como puede beneficiar a su comunidad
2. Hablar de y comenzar a priorizar las necesidades del agua de la comunidad
3. Identificar las posibles oportunidades para trabajar juntos, explorar posibles proyectos conjuntos en un esfuerzo para obtener fondos relacionados con el agua para su comunidad

# Kings Basin Disadvantaged Communities Pilot Study

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



Western Fresno County Sub Region  
Sub-región del Occidental del Condado de Fresno  
October 4, 2012  
Sponsored by the Kings Basin Water Authority  
Patrocinado por la Autoridad de la Cuenca de Kings

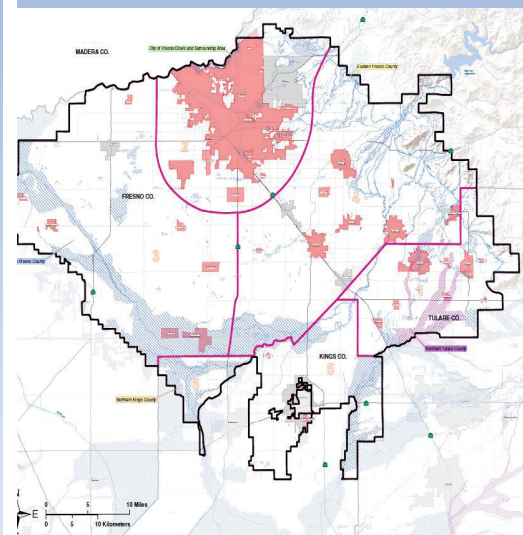
# Agenda

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

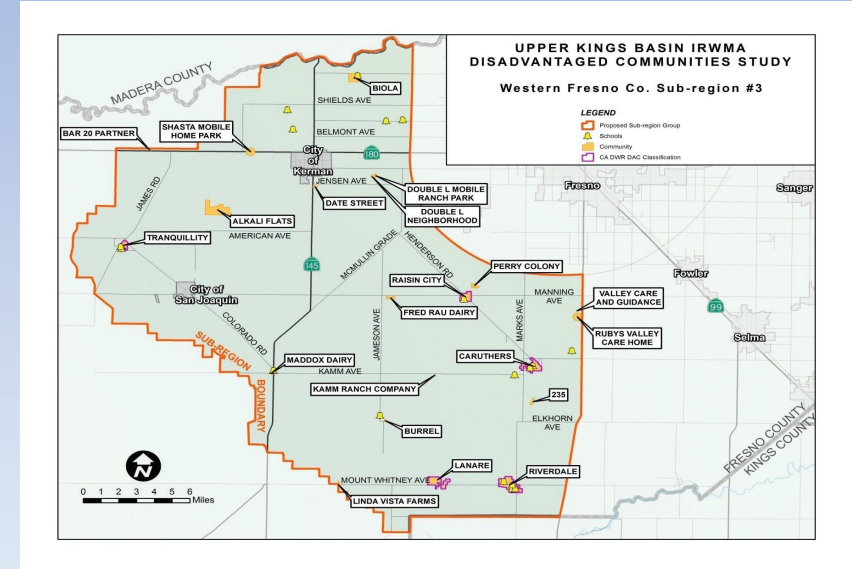


- Document water , wastewater, and storm water related needs of DACs
- ID potential projects that solve DAC water related needs and include in IRWMP master project list
- Support regional collaboration and solutions
- Attract funding to the region (IRWMPs and other)
- ID opportunities for IRWMPs to work 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                    |

## West Fresno Sub Region #2 Región # 2 Región del Oeste de Fresno



## 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 ingeniera y alisáis

## 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

## Summary of last meeting Resumen de la ultima junta

### Interests/Benefits:

- Improvements in communities
- Potential to reduce cost and improve efficiency
- Improved reliability if sources are connected
- Long term sustainability

### Concerns:

- Afraid of the unknown
- Losing control of your water resources or operation
- Things getting worse if nothing is done

### Interés/Beneficios:

- Mejoras a la comunidad
- Potencial para reducir costos y mejorar la eficiencia
- Mejores fuentes de agua si se conectan
- Sostenibilidad a largo plazo

### Preocupaciones:

- Miedo a lo desconocido
- Perder control de sus recursos de agua o operación
- Que se empeoren las cosas si nada sucede

## Summary continued... Resumen continua...

### Identified community water issues

- Biola
  - Flooding concerns
  - Wastewater needs
  - New well for fire flow
- Lanare
  - Drinking water
  - Septic issues
- Riverdale
  - Wastewater
- San Joaquin
  - Wastewater operator

### Los temas del agua identificados

- Biola
  - preocupaciones de las inundaciones
  - aguas residuales
  - nuevo pozo para el flujo de fuego
- Lanare
  - agua potable
  - Problemas con los tanques sépticos
- Riverdale
  - Agua residuales
- San Joaquín
  - Operador de aguas residuales

## Current efforts underway Esfuerzos que se están llevando a cabo

- Storm drainage and water projects in Biola
- Water supply consolidation for El Porvenir (Three Rocks), Cantua Creek, and two labor camps
- Water meter project for City of San Joaquin
- Arsenic Reduction Project for drinking water in Tranquillity Irrigation District
- Sewer Feasibility Study for Raisin City
- Riverdale water well No. 5
- Lanare Drinking water project
- Caruthers Wastewater Project
- Proyectos de desagüe de tormentas y agua en Biola
- Proyecto de Consolidación del suministro de agua en El Porvenir (Three Rocks), Cantua Creek y dos campos de trabajo
- Proyecto de miras de agua para la ciudad de San Joaquín
- Proyecto para la Reducción de Arsénico en el Distrito de Irrigación de Tranquillity
- Estudio de viabilidad para el drenaje para Raisin City
- Pozo de agua no. 5 de Riverdale
- Proyecto de agua de Lanare
- Proyecto de las Aguas Residuales de Caruthers

## Are there any other efforts underway? ¿Existen otros esfuerzo que se estén llevando a cabo?

## 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

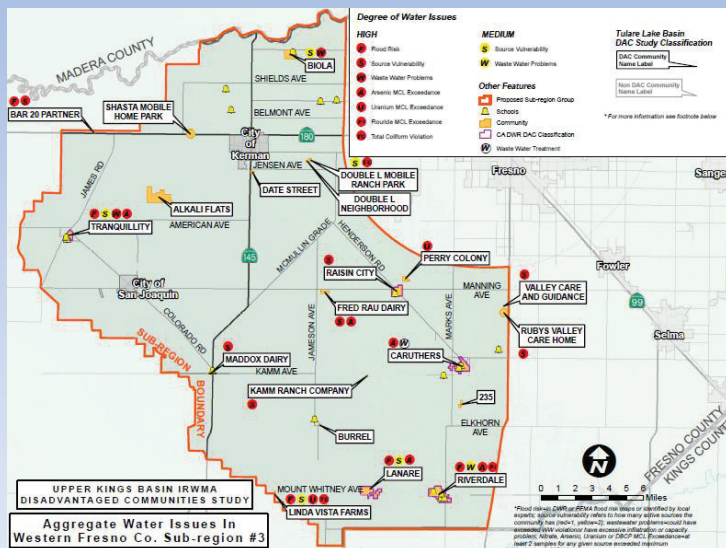
### Análisis de los escenarios de los proyectos

- 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



**BREAK  
DESCANSO**

## Mapping exercise: Needs and Opportunities for the Region Sesión usando el mapa: Necesidades y oportunidades para la región



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

## Next meeting Próxima junta

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

## For more information: Para mas información:

- **Project Team:**  
Lon Martin – *Provost & Pritchard*  
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Phone: 559.733.0219 e-mail:  
[maria.herrera@communitywatercenter.org](mailto:maria.herrera@communitywatercenter.org)
  - Paul Boyer – *Self Help Enterprises*  
Phone: 559.802.1681 e-mail:  
[paulb@selfhelpenterprises.org](mailto:paulb@selfhelpenterprises.org)
  - **Equipo del proyecto:**  
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  - Maria Herrera – *El Centro Comunitario por el Agua*  
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[maria.herrera@communitywatercenter.org](mailto:maria.herrera@communitywatercenter.org)
  - Paul Boyer – *Self Help Enterprises*  
Teléfono: 559.802.1681 Correo electrónico:  
[paulb@selfhelpenterprises.org](mailto:paulb@selfhelpenterprises.org)
- Project website:**  
[http://www.krcd.org/water/ukbirwma/dac\\_pilot\\_study.html](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](http://www.krcd.org/water/ukbirwma/dac_pilot_study.html)

# Kings Basin Disadvantaged Communities Pilot Study Western Fresno County Sub region Meeting 2

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Raisin City School District, 6425 W. Bowles Avenue Raisin City  
Thursday October 4th, 2012 5:30pm – 7:30pm

## **Agenda**

1. Introductions (5 min)
2. Summary of project goals and objectives and past meetings (15 min)
3. Current efforts underway (15 min)
4. Break (5 min)
5. Mapping exercise – needs and opportunities for the region (50 min)
6. Report back from breakout session (15 min)
7. Where do we go from here? (10 min)
8. Next meeting (5 min)



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

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Distrito Escolar de Raisin City 6425 W. Bowles Avenue en Raisin City  
Jueves 4 de octubre del 2012 de 5:30pm-7:30pm

## **Agenda**

1. Introducciones (5 minutos)
2. Resume de las metas y objetivos del proyecto y de las últimas juntas(15 minutos)
3. Esfuerzos que se están llevando a cabo (15 minutos)
4. Descanso (5 minutos)
5. Sesión usando el mapa: necesidades y oportunidades para la región (50 minutos)
6. Reporte de la sesión de los grupos de trabajo (15 minutos)
7. Que son los próximos pasos (10 minutos)
8. Próxima junta (5 minutos)

## Western Fresno meeting 2 breakout sessions notes

### Group 1

#### Participants

Juan Sandoval

Isabel

Veronica

Arturo

Victor

Do the maps capture the water issues of your community? Is there anything missing, or anything that needs to be changed? If so, please specify.

- Lanare
  - septic tank overflow
  - flooding
  - fire hydrants
- Raisin City
  - Flooding
  - No fire hydrants
  - Wastewater
- Burrell
  - Pipes are leaking lead into drinking water and arsenic problems

Is there anything else that should be added to this map, this can include the water issues of other communities?

- Perry Colony (also known as Arbolera)
  - septic
  - flood risks

What are the common issues in your region?

- Arsenic
- Source vulnerability
- Flood risk

What are the water issues that can be solved through a solution that involves more than 1 community?

- Caruthers and Raisin –sewer and drinking water
- Burrell , Lanare and Riverdale – drinking water and sewer
- Burrell, Lanare and surrounding private well owners – drinking water
- Perry Colony and Raisin City – reduce cost, drinking water problems

Group feels pursuing full consolidation would provide the most benefits

Which are the top two water issues of priority in your community/region?

Raisin City-Sewer and drinking water

Lanare-drinking water and sewer

Burrell–drinking water

Perry Colony–water

Group then went off to discuss what it would take to begin collaboration on some of the projects:

Lanare residents noted that a meeting with Riverdale would be necessary in order to identify benefits for both communities. They feel the meeting should be attended by, community residents, funding agencies and elected officials.

Raisin City residents noted that a meeting with Caruthers would be necessary to discuss a joint sewer project. They feel that a preliminary grant application may be a good pilot project for this type of collaboration.

Group 2

Do the maps capture the water issues of your community? Is there anything missing, or anything that needs to be changed? If so, please specify.

- Cities of San Joaquin and Kerman should be identified as disadvantaged communities
- Date not showing as DAC
- Biola – flood risk

Add to maps

- Water wells
- Perry Colony-Arbolera (change map)
- Wastewater is close to drinking water
- Map communities with septic systems

What are the common issues in your region?

- Lots of source vulnerability
- Absence of waste water problems
- Raisin City – septic systems
- Lanare drinking water unusable

What are the water issues that can be solved through a solution that involves more than 1 community?

- Drinking water-pipe to pipe between Lanare and Riverdale
- Drinking Water-Kerman and Double L Mobile Home Park Interconnection
- Sewer interconnection –Raisin City and Caruthers
- County of Fresno provide waste water operator to City of San Joaquin
- Lanare and San Joaquin need conservation rate-what is the base rate volume? Per house/residential

Potential pilot studies

Drinking water and wastewater

- Study of DACs that need funding
- Operators/pool of operators contacted by the County, private, etc.

Pipe between Lanare and Riverdale /wastewater

Feasibility Study

- Flood control for Biola

Metered rate structure that can be used by any City/District in the region

**Kings Basin Disadvantaged Communities Pilot Study  
Western Fresno County Sub Region Meeting #2  
October 4, 2012**

**Minutes**

**1. Introductions**

Abigail opened the meeting with introductions by going around the room and asking people their name and their interest in this meeting. She also briefly reviewed the funding behind this study and its purpose, and went over the agenda for the set meeting.

**2. Summary of Project Goals and Objective and past meetings**

It was stated that the goal of this meeting would be to 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 in communities.

Maria reminded participants of the goal of the study, saying that the study is seeking to ensure Intergrated Water Management Plans works better for DACs by documenting the water, wastewater, and storm water related needs of DACs, Identify potential projects that solve DAC's water related needs and include in IRWMP master project list and to support regional collaboration and solutions in order to attract funding to the region though IRWMP funding and other sources. She explained how this entire study area was divided into regions, and named them. She asked the attendants to spread this information to people in surrounding communities that would benefit from attending these meetings and being a part of this study.

Abigail talked about what this project team's roles are and how they would help in achieve these solutions, CWC's role is to facilitate the meetings, and help identify and address the concerns/barriers. Paul Boyer talked about the role for SHE (providing data gathering and tech. assistance), and Lon Martin talked about the role for Provost and Pritchard (engineering support and analysis).

Abigail talked about what the process of opportunities looks like, Pilot Projects, facilitation, project timeline and final goal which is the stronger voice for the region.

Maria then provided a summary of the last meeting, saying that during the past meetings, participants had been provided more in depth information about this study and IRWMPs and examples of specific successful case studies where communities had worked together to achieve solutions. She also emphasized the discussion about the potential benefits and concerns with regional collaboration. She noted that some of the benefits identified with regional collaboration were, the potential to reduce cost and improve efficiency, improved reliability if sources are connected and long term sustainability. She also noted that some of the concerns with regional collaboration were, being afraid of the unknown and losing control of water resources or operation but also noted that in the end participants had were concerned with things getting worse if nothing was done.

Participant from Burrel asked about the benefits of participating in these meetings. Specifically he wanted to know if actual funding was available for solutions.

Maria reminded him about the project deliverables and noted that although the study did not have funding for full implementation of solutions, the pilot projects could help advance the development of solutions.

Participant from the City of San Joaquin also responded to the comment made by the participant of Burrell, noting that she saw a lot of benefit in holding these types of meetings because it created the space for communities to come together and discuss possible joint solutions. She noted that the State and funding agencies could look at this favorably and thanked the project team for making the effort to outreach to the disadvantaged communities.

The representative from Assemblymember Perea's office also noted that they saw a lot of value in these meetings because it allowed them to learn about current efforts in their region to address water issues and could be more of a supportive role when projects face funding barriers.

### **3. Current Efforts Underway**

Paul and Lon highlighted current efforts that are already underway and encouraged everyone to add to this list if any were left out or unknown. Some of the efforts include storm drainage and water projects in Biola, a water supply consolidation for El Porvenir (Three Rocks), Cantua Creek, and two labor camps, a water meter project for City of San Joaquin, an arsenic reduction project for drinking water in Tranquillity Irrigation District, a sewer feasibility study for Raisin City and a couple of water projects for Riverdale and Lanare. Lon also added a couple of projects for Caruthers including a wastewater Project.

Lon Martin reminded everyone of the types of analysis that can help address concerns of the region. He talked about the project scenarios analysis, including the preliminary grant application, and rate impact analysis or rate comparison and shared service study.

### **4. BREAK**

### **5. Breakout session**

Participants numbered off and participated in one of the two breakout groups. The goal of the breakout sessions were to begin to identify potential opportunities to work together, explore possible joint projects in an effort to obtain funding for water related improvements in communities. Maps documenting the current water issues of the regions were used as a tool to allow participants to add water issues not documented, identify some joint solutions given what is shown and use it to begin to narrow down and prioritize the water issues the region would like to focus on.

### **6. Report Back from groups:**

Each group was asked to provide answers to a number of questions. In the end, both groups identified water and wastewater as their top water priorities for the sub-region and began highlighted a number of potential pilot projects. See below for full notes of the break out session.

#### **Group 1**

Do the maps capture the water issues of your community? Is there anything missing, or anything that needs to be changed? If so, please specify.

- Lanare
  - septic tank overflow
  - flooding
  - fire hydrants
- Raisin City
  - Flooding
  - No fire hydrants
  - Wastewater
- Burrell
  - Pipes are leaking lead into drinking water and arsenic problems

Is there anything else that should be added to this map, this can include the water issues of other communities?

- Perry Colony (also known as Arbolera)
  - septic
  - flood risks

What are the common issues in your region?

- Arsenic
- Source vulnerability
- Flood risk

What are the water issues that can be solved through a solution that involves more than 1 community?

- Caruthers and Raisin –sewer and drinking water
- Burrell , Lanare and Riverdale – drinking water and sewer
- Burrell, Lanare and surrounding private well owners – drinking water
- Perry Colony and Raisin City – reduce cost, drinking water problems

Group feels pursuing full consolidation would provide the most benefits

Which are the top two water issues of priority in your community/region?

- Raisin City-Sewer and drinking water
- Lanare-drinking water and sewer
- Burrell–drinking water
- Perry Colony–water

Group then went off to discuss what it would take to begin collaboration on some of the projects: Lanare residents noted that a meeting with Riverdale would be necessary in order to identify benefits for both communities. They noted that the meeting should be attended by, community residents, funding agencies and elected officials.

Raisin City residents noted that a meeting with Caruthers would be necessary to discuss a joint sewer project. They feel that a preliminary grant application may be a good pilot project for this type of collaboration.

**Group 2**

Do the maps capture the water issues of your community? Is there anything missing, or anything that needs to be changed? If so, please specify.

- Cities of San Joaquin and Kerman should be identified as disadvantaged communities
- Date not showing as DAC
- Biola – flood risk

Add to maps

- Water wells
- Perry Colony-Arbolera (change map)
- Wastewater is close to drinking water
- Map communities with septic systems

What are the common issues in your region?

- Lots of source vulnerability
- Absence of waste water problems
- Raisin City – septic systems
- Lanare drinking water unusable

What are the water issues that can be solved through a solution that involves more than 1 community?

- Drinking water-pipe to pipe between Lanare and Riverdale
- Drinking Water-Kerman and Double L Mobile Home Park Interconnection
- Sewer interconnection –Raisin City and Caruthers
- County of Fresno provide waste water operator to City of San Joaquin
- Lanare and San Joaquin need conservation rate-what is the base rate volume? Per house/residential

Potential pilot studies

Drinking water and wastewater

- Study of DACs that need funding
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Pipe between Lanare and Riverdale /wastewater

Feasibility Study

- Flood control for Biola

Metered rate structure that can be used by any City/District in the region

## **7. Next Steps and Next Meeting:**

Project team will further refine potential projects – determine what we can do with pilot studies opportunities. Examples: Caruthers – preliminary grant application- to pursue feasibility study for connection to Raisin City and Perry Colony; Lanare will evaluate possible connection between Lanare and Riverdale; evaluation of sewer connection Lanare and Riverdale; help establish residential homeowner baseline rate- this study can evaluate the volume water needed Identify available technicians in the area; this could lead to a cooperative agreement.



Participants had some questions about the project selection process and asked what would happen to the projects that would not get selected to be part of a pilot study.

Maria explained that one of the five sub-regions had already selected a pilot project and discussed the criteria they used to select a project.

The region agreed that using the criteria used there would be useful in helping them select a pilot project.

Veronica from CRLA also reminded the participants that not all was lost if your project was not selected to be funded by this study because organizations such as CWC, SHE and CRLA could help identify potential next steps to ensure they can move towards solutions given that they work with disadvantaged communities on water issues.

Next meeting was set for November 8, 2012 from 5:00-7:00PM. Meeting will be held at the same meeting location (Raisin City School).

# Kings Basin Disadvantaged Communities Pilot Study

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



Western Fresno County Sub Region  
Sub Región del Occidental del Condado de Fresno  
November 8, 2012  
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 and current efforts underway
- Discusión sobre las necesidades del agua y esfuerzos que se están llevando a cabo
- Prioritized water issues
- Se hablo de las prioridades del agua
- Identified potential pilot projects
- Se identificaron proyectos pilotos posibles
- Asked project team to:
  - Refine potential projects and provide opportunities to work together & address issues
  - 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
- Resúme de los problemas del agua de prioridad que fueron identificados por la sub-región
- Discuss identified opportunities to work together to address water issues
- Discutir las oportunidades identificadas para trabajar juntos para hacer frente a los problemas del agua
- Select one to two pilot projects for this study to fund
- Seleccionar uno o dos proyectos piloto de este estudio para financiar

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

- Top 2 water issues
  - Drinking Water
  - Wastewater
- Los 2 problemas del agua de prioridad
  - agua Potable
  - aguas residuales
- Other issues discussed
  - Flood risk
  - Need of water and wastewater operators
  - Conservation base rate for residential and commercial
- Otros temas discutidos
  - los riesgos de inundación
  - Necesidad de los operadores de agua y aguas residuales
- Una tarifa de base de conservación para los usuarios residenciales y comerciales

# Identified Potential Pilot Projects

## Proyectos Pilotos Identificados

- Caruthers and Raisin –sewer and drinking water
- Burrell , Lanare and Riverdale – drinking water and sewer
- Perry Colony and Raisin City – reduce cost & drinking water problems
- Kerman and Double L Mobile Home Park - Drinking Water Interconnection
- County of Fresno provide waste water operator to City of San Joaquin
- Lanare and San Joaquin need conservation rate-what is the base rate volume? Per house/residential
- Caruthers and Raisin City- Aguas residuales y agua potable
- Perry Colony y Raisin City-reducir los costos y problemas del agua potable
- Kerman y Double L Mobile Home Park – conexión para el agua potable
- Condado de Fresno proporcionar operadores de aguas residuales a la ciudad de San Joaquin
- Lanare y San Joaquin necesitan una tarifa para promover la conservación del agua-cual es la tarifa de base de volumen, para los usuarios residenciales y comerciales?

## 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 Matriz

- 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

## Drinking Water:

### Agua Potable:

- Solution
  - Physical water connection
  - Physical sewer connection
  - Physical water and sewer connection
- Barriers
- Possible pilot projects
- Solución
  - Conexión física del agua potable
  - Conexión física del las aguas residuales
  - Conexión física del agua potable y aguas residuales
- Barreras
- Proyectos pilotos posibles

## Wastewater Agua Residuales

- Solution
  - Physical water connection
  - Physical sewer connection
  - Physical water and sewer connection
- Barriers
- Possible pilot projects
- Solución
  - Conexión física del agua potable
  - Conexión física del las aguas residuales
  - Conexión física del agua potable y aguas residuales
- Barreras
- Proyectos pilotos posibles

## Flood Risk: Riesgo de Inundación:

- Solution
  - Partner with the Fresno Irrigation District and/or the County of Fresno to develop a regional project/solution
- Barriers
- Possible pilot projects
- Solución
  - Unirse con el Distrito de Irrigación de Fresno y/o con el Condado de Fresno para desarrollar un proyecto regional /solución
- Barreras
- Proyectos pilotos posibles

## Managerial Consolidation Consolidación Administrativa

- Solution
  - Water or Sewer System Full Consolidation of managerial and administrative functions
  - Develop a private or interagency contract pool of shared operators (water & waste water) for multiple agencies
  - Develop a Base Monthly Water Usage Volume using a regional approach and multiple agencies.
- Barriers
- Possible pilot projects
- Solución
  - Consolidación administrativa completa de las funciones administrativas del sistema del agua o del sistema de las aguas residuales
  - Desarrollar una contrato privado o entre agencias para tener varios operadores disponible para compartir (agua y agua residuales) para múltiples agencias
  - Desarrollar un volumen de base mensual de uso de agua con un enfoque regional y múltiples agencias
- Barreras
- Proyectos pilotos posibles

## Communities on Private Wells/Septic Systems Comunidades con Pozos Privados y /Sistemas Sépticos

- Solution
  - Document individual properties using private wells and septic
  - Conduct water quality testing.
- Barriers
  - is not within the scope of work for the DAC pilot project
- Possible pilot projects
- Solución
  - Documentar las propiedades individuales usando pozos privados y sépticos
  - Realizar análisis de la calidad de agua
- Barreras
  - no está dentro del alcance del trabajo del proyecto piloto del DAC
- Proyectos pilotos posibles

## BREAK DESCANSO



## Break Out Sessions Sesión de los grupos de trabajo

- Review opportunities matrix
  - What opportunities are available to your community?
- Identify what you want to work on
- Identify who you would like to work with
- Identify how our team can help
- Rank your options
- Revisión de matriz de oportunidades
  - ¿Qué oportunidades están disponibles para su comunidad?
- Identifique en lo que usted desea trabajar
- Identificar con quién le gustaría trabajar
- Identificar cómo nuestro equipo puede ayudarle
- Clasifique sus opciones

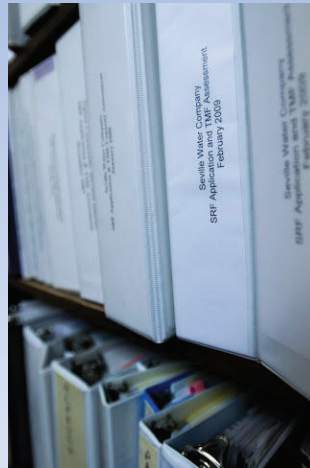
## Selection of a pilot project: Criteria to keep in mind La selección de un proyecto piloto: Criterios que tener en cuenta

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

## Report back Reporte al grupo



## Selection of 1-2 Pilot Project(s) Selección de 1-2 Proyecto Piloto(s)



## Where do we go from here? Próximos Pasos

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

## Next meeting Próxima junta

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

## Thank you Gracias

**DAC PILOT PROJECT**  
**WEST FRESNO – MEETING #3 – RAISIN CITY**  
**NOVEMBER 8, 2012, 5:30PM**  
**HEATHER BASHIAN NOTES**

**BREAK-OUT SESSION – GROUP #1**

- Discuss Ground Rules
- Review Matrix and allow group time to review content
- Discuss Pilot Possibilities:
  - Connection between San Joaquin (SJ) and Tranquillity
  - SJ needs water meters – water conservation
  - SJ WWTP producing possible recycled quality water – could be a recycled water (purple pipe) project potential if State approves the use
  - Add Biola's needs
  - Tranquillity has a new well; SJ is short on their water supply – potential for combining supplies?
    - Any consolidation effort between SJ and Tranquillity would have to include a new supply source from SJ so Tranquillity doesn't feel their supply is being taken or compromised
- Question #1 Responses:
  - Biola Resident (Res):
    - Happy with possible fire protection on the matrix.
    - Biola is in need of a tank to be filled during non-peak hours for fire flow; the system does not currently have enough pressure/supply to adequately meet fire flow requirements
    - Biola is too far geographically for a physical connection to any community listed on the map; maybe could participate in a TMF consolidation with Kerman
  - Raisin City Res:
    - Would like to see consolidation with Caruthers (sewer) and/or Perry Colony (water and sewer); project would likely require a new well or booster pumps
  - Fresno State Rep:
    - Raisin City/Perry Colony/Caruthers: TMF connection also?
    - Biola: Possible partnership with FID similar to the agreement being worked out with 3 Rocks/Provinier/Cantua Creek – Talk to Joe Prado for more details
    - Tranquillity/SJ: Physical and TMF (Full) Consolidation – potentially this is a 'low hanging fruit'
  - JPrado/County of Fresno Rep:
    - Raisin City (CSA43) Water Project is on the IRWMP Project List; when funding is available, the project will submit a full application and hopefully receive funding
  - Lanare Res:
    - Connection between Lanare/Riverdale for sewer (definitely) and water (maybe)
    - Septic waste is rising to surface on resident property in Lanare; health concern
    - There are about 900 residents in Lanare
    - Approximately 4 miles to Riverdale
  - SJ Res:
    - Possible connection with Tranquillity and/or Helm (in future); all communities about 5 miles apart

- Question #2 Responses:
  - Lanare Rep: Riverdale
  - SJ Rep:
    - Tranquillity/Helm – Regional
    - Raisin City/Perry Colony/Caruthers
    - Lanare/Riverdale
  - Biola Rep: Biola with FID?
  - Raisin City Rep: consolidate with Caruther and Perry Colony
- Who is MOST in need?
  1. Lanare – sewage system – vote 7/7
  2. Raisin City/Perry Colony – sewer and water – vote 7/7
  3. Biola – Fire protection/Potential water quality issues
- Who has participated?
  - Raisin City
  - Lanare
  - Biola
  - San Joaquin
  - Perry Colony (by proxy from Raisin City)
  - Burrell
- Where do we have the most chance of success?
  - Perry Colony / Raisin City
  - Lanare / Riverdale
  - Tranquillity / San Joaquin
- What can we do with the limited funding we have?
  - Lanare / Riverdale – prepare a Pre-App for a Sewer Feasibility Study
  - Perry Colony / Raisin City – prepare a Pre-App for a Water Feasibility Study

#### **GROUP REPORT BACK:**

- Group #1
  - First Pilot: Lanare / Riverdale – Sewer Feasibility Study on behalf of Lanare for connecting to Riverdale for sewer service
  - Second Pilot: Perry Colony / Raisin City – Water Feasibility Study on behalf of both communities to develop a water system
- Group #2
  - Discussion Topics:
    - Lanare /Riverdale Connection for sewer
    - Perry Colony / Raisin City – consolidation for sewer and water
    - Investigate solution to private wells – there are too many
    - Flooding Issues
  - Pilot Project: Lanare / Riverdale – Sewer Feasibility Study
- Pilot Project Selected:
  - Lanare Sewer Feasibility Study
  - Perry Colony / Raisin City – second if funding allows for it
- Staff from CWC and P&P to attend Riverdale PUD Board Meeting to discuss the DAC study and the pilot project that has been selected; this will get the issue on the table in public so Riverdale doesn't find out about it 2<sup>nd</sup>-hand and get defensive before talks between Lanare and Riverdale have had a chance to start.
- Lanare to continue efforts to open talks with Riverdale and find out what their concerns are regarding connecting so they can be added to the Pre-App and addressed in the Feasibility Study.



Kings Basin Disadvantaged Communities Pilot Study  
Western Fresno County Sub-region Meeting 3  
11/8/2012 Raisin City School 5:00-7:00 p.m.

**Minutes**

Maria Herrera started the meeting with a review of the agenda, goals of the meeting and general housekeeping. Introductions were done around the room.

Maria gave a summary of the key points from the previous meeting, see slide 2. Maria then provided a summary of the priority water issues and potential pilot projects identified by the subregion. Maria also discussed the purpose of the pilot matrix and how it would be used to select a pilot project.

Lon Martin –then provided a brief presentation on the pilot matrix and encouraged anyone to ask questions during his presentation. Lon went on to say that when it comes to “Opportunities”, they can look like two different types of situations, one situation could be a physical connection of pipe, and this usually comes with fears, some fear that they will lose water, others fear losing their boards. He then discussed Full Consolidation as process when all boards and all parties involved are combined and create in most cases a new governing board.

Lon mentioned that P&P can do a preliminary study of the cost for some type of pipe connection or a rate impact analysis. He also noted that a preliminary grant application can be developed to address the flooding problems, which can include developing a pipe to a canal or a ponding basin. He also discussed the Managerial Consolidation concept and said a shared services agreement could be developed among various agencies. He noted that there would have to be enough agencies willing to participating to make it work, one or two agencies is not enough.

Audience Question: Are these analysis fundable as part of the study? Lon confirmed the eligibility.

Participants at the meeting also noted the private properties in the subregion that may have contaminated private wells. The project team responded that address the needs of these communities were challenging and beyond the scope of this study but noted that it was an important issue to mention in the final report.

Audience Question: Anyone have an idea of how many private wells in parry colony?

Answer: A minimum of fifty people, that community is almost bigger that Raisin city

Audience Question: Has there ever been an income survey done there?

Answer: Not that we know of.

Matrix Explanation - Maria explained the Project Matrix

We will now count off and split into 2 groups, we will spend some time going over the matrix and we will answer the questions as a group.

**BREAK-OUT SESSION – GROUP #1**

- Discuss Ground Rules

- Review Matrix and allow group time to review content
- Discuss Pilot Possibilities:
  - Connection between San Joaquin (SJ) and Tranquillity
  - SJ needs water meters – water conservation
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  - Add Biola’s needs
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    - Biola: Possible partnership with FID similar to the agreement being worked out with 3 Rocks/Provinier/Cantua Creek – Talk to Joe Prado for more details
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  - SJ Res:
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  - SJ Rep:
    - Tranquillity/Helm – Regional
    - Raisin City/Perry Colony/Caruthers
    - Lanare/Riverdale

- Biola Rep: Biola with FID?
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  - Lanare / Riverdale – prepare a Pre-App for a Sewer Feasibility Study
  - Perry Colony / Raisin City – prepare a Pre-App for a Water Feasibility Study

After finding out there is already an application in process for Riverdale through the IRWMP, the group has decided the #1 Pilot Project Choice should be Lanare/Riverdale – waste water.

The project team noted that they could do three things - High level analysis of how much pipe is needed, project description, rough estimate and actual form.

#### **Next steps:**

Staff from CWC and P&P to attend Riverdale PUD Board Meeting to discuss the DAC study and the pilot project that has been selected; this will get the issue on the table in public so Riverdale doesn't find out about it 2<sup>nd</sup>-hand and get defensive before talks between Lanare and Riverdale have had a chance to start.

Lanare to continue efforts to open talks with Riverdale and find out what their concerns are regarding connecting so they can be added to the Pre-App and addressed in the Feasibility Study.

The group was asked two questions to consider and bring recommendations for at the next meeting:

1. How can we continue to collaborate with each other, after these 3-4 meetings?
2. How can you better participate in the IRWMP process?

Maria asked everyone to please come prepared with ideas on how this can be done.

Next meeting will be held once pilot is completed.

Announcements from the group: there will be a dinner and dance fundraiser for Lanare on December 1.

Meeting was adjourned.

# Kings Basin Disadvantaged Communities Pilot Study

## Western Fresno County Sub-region

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Wednesday April 17, 2013 5:00PM – 7:00PM  
Raisin City School

### Agenda

1. Introductions and goal of the meeting (10 minutes)
2. Summary of general interests and intent of pilot project selected (5 minutes)
3. Findings of the pilot project (20 minutes)
4. Questions and answers (15 minutes)
5. Opportunities to continue advancing solutions in your area (30 minutes)
  - a. Advancing solutions using the pilot (20)
  - b. Engaging in the IRWM process (10)
6. Project Evaluation (30 minutes)
7. Final questions and wrap up (10 minutes)

Estudio Piloto Para Las Comunidades de Bajo Recursos  
dentro de la Cuenca de Kings  
Sub-región: Occidental del Condado de Fresno

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Jueves 17 de abril del 2013 5:00PM – 7:00PM  
Escuela de Raisin City

## Agenda

1. Introducciones y meta de la junta (10 minutos)
2. Resume de los intereses generales y propósito del piloto seleccionado (5 minutos)
3. Resultados del proyecto piloto (20 minutos)
4. Preguntas y Respuestas (15 minutos)
5. Oportunidades para seguir avanzando soluciones en su área (30 minutos)
  - a. Avanzando soluciones usando el piloto
  - b. Participando en el proceso del IRWM
6. Evaluación del Proyecto (30 minutos)
7. Preguntas finales y conclusión de junta (10 minutos)

## Kings Basin DAC Pilot Project Western Fresno County Sub-Region Pilot Project: Lanare CSD Feasibility Study Grant Pre-Application

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 Project Selected:
  - Prepare an Upper Kings IWMA Preliminary Grant Application for a Feasibility Study concerning the possible sewer interconnection between Lanare CSD and Riverdale PUD
- Purpose of Pilot Project
  - Aid Lanare CSD in securing funding to conduct a Feasibility Study to address wastewater needs
  - Foster discussions between Lanare CSD, Riverdale PUD and other stakeholders to promote regional collaboration and projects

## Purpose of a Feasibility Study

- Evaluate options available to address water needs, including governance structure, TMF, CEQA and most importantly...
  - Select a Preferred Alternative
- The Feasibility Study can include the Engineering and Design of the project
- Upon Completion of the Feasibility Study and Design, Application for Construction Funding can be Prepared

## What is Needed to Generate a Successful Preliminary Grant Application?

- Prepare Preliminary Grant Application Document
- Prepare and attach a Preliminary Technical Report
- Project Aligns with IRMWP Regional Goals and Contains Measurable Objectives
- Provides Benefits to a DAC

## Steps Taken to Complete Pilot Project

- Facilitated two meetings between Riverdale and Lanare
- Prepared preliminary grant application document for Upper Kings IWMA
- Prepared Preliminary Technical Project Report to be included with application
- Identified costs estimate for feasibility study and potential funding sources
- Identified key items needed for a successful project

## Meetings between Lanare & Riverdale PUD

- Riverdale PUD Board meetings
  - January 8, 2013
  - February 5, 2013
- Purpose:
  - Inform the Riverdale PUD about the pilot project selected, its purpose and seek consent to share information needed for pilot
- Outcome:
  - Riverdale PUD agreed to share info between engineers \*only for pilot project purposes\*

## Preliminary Technical Project Report: What It Includes

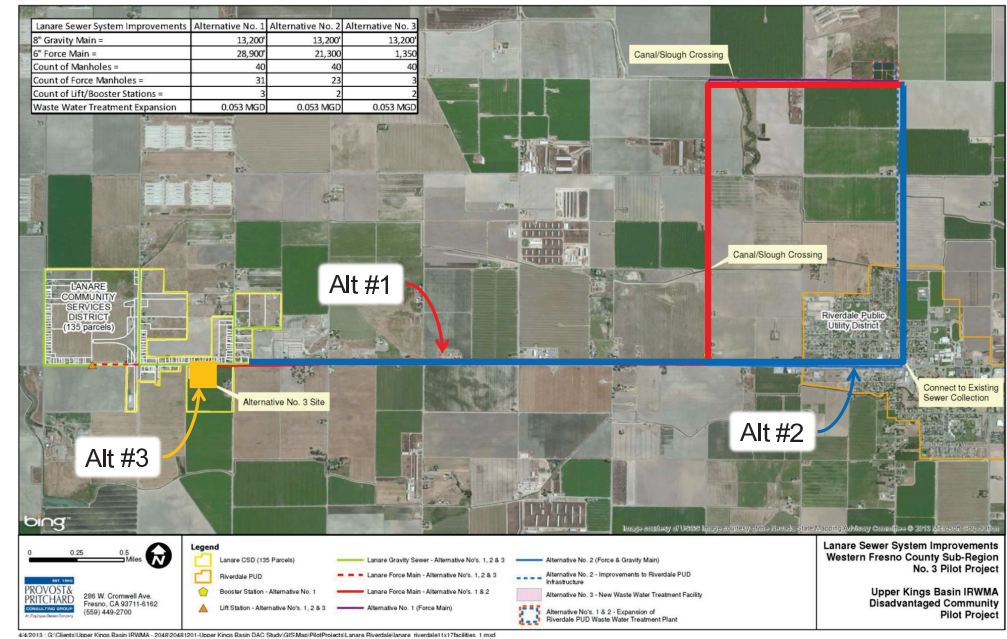
- Identifies the problem/need
- Identifies potential alternatives available to solve water problem/need
  - Description of alternatives
  - Cost estimates for each alternative
  - Advantages and disadvantages
- Cost estimate of funding needed to conduct feasibility study and potential funding sources

## Preliminary Technical Report: Identifying the Problem/Need: Lanare Sewer Needs

- Existing Conditions
  - All residences on Septic Systems
  - Potentially 135 Connections
  - Septic systems have failed and residents are experiencing overflows

# Preliminary Technical Report: Identify Potential Alternatives to Solve Problem

Alternative	Collection System Solution	Treatment Solution
Alternative 1	Lanare Collection System	Riverdale PUD WWTF
Alternative 2	Lanare Collection System connects to Riverdale PUD's Collection System near Mt. Whitney and Valentine Avenues	Riverdale PUD WWTF
Alternative 3	Lanare Collection System	Lanare CSD Proposed WWTF



## Alternative 1: Lanare Collection System and Connection to Riverdale PUD WWTF

- Description of Alternative
  - Sewer Collections System for all existing developed properties within the Lanare CSD
  - Connect to Riverdale PUD via force main directly to WWTF
  - Expand Riverdale PUD's WWTF by 0.053 MGD

COST ESTIMATE	
Construction Cost	\$6,547,532
Construction Contingency (20%)	\$1,309,500
Engineering, Construction Management, Etc (15%)	\$1,178,555
<b>Total Preliminary Cost Estimate</b>	<b>\$9,035,587</b>

## Alternative 1: Advantages & Disadvantages

Advantages	Disadvantages
Provides the Lanare CSD with a sewer collections and treatment system	27,000+ feet of sewer force main
Reduces the public health concern and overflow of raw sewage	Depending on Governance discussions, possible adjustments to service areas
Reduces the potential for nitrate contamination of the groundwater	High capital costs for construction
Provides funding to expand Riverdale PUD's WWTF to accommodate Lanare's sewer flows	Sewer rates for Lanare
Capitalizes on economies of scale potentially improving operational efficiencies	
Potential high ranking of funding application due to regional solution and benefiting a DAC	
Potential for principal forgiveness loan or grant because project benefits a SDAC	



## Alternative 2: Lanare Collection System Connects to Riverdale PUD's System near Mt. Whitney and Valentine Avenues

- Description of Alternative
  - Sewer Collections System for all existing developed properties within the Lanare CSD
  - Connect to Riverdale PUD near intersection of Mt. Whitney and Valentine Avenues
  - Expand Riverdale PUD's WWTF by 0.053 MGD

COST ESTIMATE	
Construction Cost	\$5,861,740
Construction Contingency (20%)	\$1,172,300
Engineering, Construction Management, Etc (15%)	\$1,055,106
<b>Total Preliminary Cost Estimate</b>	<b>\$8,089,146</b>

## Alternative 3: Sewer Collection System and WWTF within the Lanare CSD

- Description of Alternative
  - Sewer Collections System for all existing developed properties within the Lanare CSD
  - Construct Lanare CSD WWTF (0.053 MGD)

COST ESTIMATE	
Construction Cost	\$5,033,480
Construction Contingency (20%)	\$1,006,700
Engineering, Construction Management, Etc (15%)	\$906,027
<b>Total Preliminary Cost Estimate</b>	<b>\$6,946,207</b>

## Alternative 2: Advantages & Disadvantages

Advantages	Disadvantages
Provides the Lanare CSD with a sewer collections and treatment system	21,000+ feet of sewer force main
Reduces the public health concern and overflow of raw sewage	Depending on Governance discussions, possible adjustments to service areas
Reduces the potential for nitrate contamination of the groundwater	Temporary construction work to Riverdale PUD's collection system
Provides funding to expand Riverdale PUD's WWTF to accommodate Lanare's sewer flows	Sewer rates for Lanare CSD
Capitalizes on economies of scale potentially improving operational efficiencies	
Improvements to Riverdale PUD's collections system and lift station	
Potential high ranking of funding application due to regional solution and benefiting a DAC	
Potential for principal forgiveness loan or grant because project benefits a SDAC	

## Alternative 3: Advantages & Disadvantages

Advantages	Disadvantages
Provides the Lanare CSD with a sewer collections and treatment system	Lanare would own and operate their own WWTF
Reduces the public health concern and overflow of raw sewage	Does not capitalized on economies of scale
Reduces the potential for nitrate contamination of the groundwater	Does not regionalize wastewater treatment opportunities and requires special permitting
Less pipeline infrastructure to maintain	Cost of WWTP operation may drive the waste water fees above the affordability level
The WWTF could be expanded without involving another agency in the future if the community experiences growth	Lack of agency experience to operate the system according to state standards
Reduced construction costs	Governance structure change for Lanare CSD
	Sewer rate for Lanare CSD
	Potential low ranking of funding application due to solution not being regional

## Cost Estimate to Conduct Feasibility Study

- Cost for Feasibility Study \$350,000
- Engineering Cost to Prepare Plans and Specifications is Based on Preferred Alternative
  - Range of Engineering Costs \$600,000-\$800,000

## Key Items that Should be Evaluated in The Feasibility Study

- Determine Service Area
- Growth Assumption
- Governance
- Cost of operations for preferred alternative and sewer rates
- TMF analysis
- Preferred Alternative is not to have a negative impact on Riverdale PUD
- Permitting

## Funding Sources Available

- IRWMP Proposition 84
- State Water Resource Control Board
  - Clean Water State Revolving Fund
  - Small Community Wastewater Grant
  - Can be 100% Grant, but not always
- Community Development Block Grant
  - Often 100% Grant
  - Very Competitive
- USDA
  - Good for typically 'uncovered costs'

## Funding - How & What

- Apply for multiple sources
  - Planning is often 100% Grant, but not always and may need several funding sources
  - Construction very likely to need several funding sources
  - Typically funding will be a mix of grant and loan
- MHI to be established for Lanare
  - Determine if an 'SDAC'



## Recommendations by UK Project Team on What is Needed for a Successful Project:

- Continue discussions with Riverdale PUD and develop project deal points
  - No negative impact to Riverdale PUD's operations or its customers
  - Long-term rate impacts are considered a key issue for the preferred alternative
- Secure funding for and Prepare Feasibility Study

Estudio Piloto Para Las DACs dentro de la Cuenca de Kings  
Proyecto Piloto de la Sub-región Occidental del Condado de Fresno: Pre Aplicación Beca Para Un Estudio de Planificación y Evaluación para el CSD de Lanare

Provost and Pritchard  
El Centro Comunitario por el Agua  
Self Help Enterprises

Fondos Otorgados Por: El Departamento de Recurso Hídricos  
Patrocinado por: La Autoridad Integrada Regional del Plan de Manejo del agua de la Cuenca Alta de Kings

## Proyecto Piloto Seleccionado y su Propósito

- Proyecto Piloto Seleccionado:
  - Preparar una Aplicación Preliminar, del IRWM de la Cuenca Alta De Kings para un estudio de planificación y evaluación sobre la posibilidad de interconexión de los servicios de las Aguas Residuales entre CSD de Lanare y el PUD de Riverdale
- Propósito:
  - Ayudar al CSD de Lanare a obtener financiación para llevar a cabo un estudio de planificación y evaluación para hacer frente a las necesidades de aguas residuales
  - Iniciar discusiones entre el CSD de Lanare, el PUD de Riverdale y otras partes interesadas para promover la colaboración y los proyectos regionales

## Propósito de un Estudio de Planificación

- Evaluar las opciones disponibles para hacer frente a las necesidades del agua, incluyendo la estructura de gobierno, TMF, CEQA y lo más importante ...
  - **Seleccionar la alternativa preferida**
- El estudio de planificación y evaluación puede incluir la ingeniería y diseño del proyecto
- Una vez ya finalizado el Estudio de Planificación y Diseño, se puede preparar la Solicitud de financiamiento para la construcción

## ¿Que se necesita para generar una exitosa Aplicación Preliminar de Financiamiento ?

- Preparar el documento de la Aplicación Preliminar para Financiamiento
- Preparar e incluir un Reporte Preliminar Técnico
- Asegurar que el proyecto se alinea con las metas regionales del IRWMP y que contenga objetivos medibles
- Que proporcione beneficios a una comunidad de bajos recursos

## Medidas tomadas para Completar el Proyecto Piloto

- Facilitamos dos juntas con Lanare y Riverdale
- Preparamos el documento de la Aplicación Preliminar para Financiamiento para el IRWM de la Cuenca Alta de Kings
- Preparamos el Reporte Preliminar Técnico que será incluido en la aplicación
- Identificamos estimas a los costos para el estudio de planificación y evaluación y posibles fuentes de financiamiento
- Identificamos elementos (temas) claves necesarios para un proyecto exitoso

## Juntas entre Lanare & el PUD de Riverdale

- Juntas del la Mesa Directiva del PUD de Riverdale
  - 8 de enero del 2013
  - 5 de febrero del 2013
- Proposito:
  - Informar al PUD de Riverdale sobre el proyecto piloto seleccionado, su propósito y solicitar su consentimiento para compartir la información necesaria para el piloto
- Resultado:
  - El PUD de Riverdale accedió a compartir información entre los ingenieros \* sólo para los fines del proyecto piloto \*

## Reporte Preliminar Técnico: Lo Que Incluye

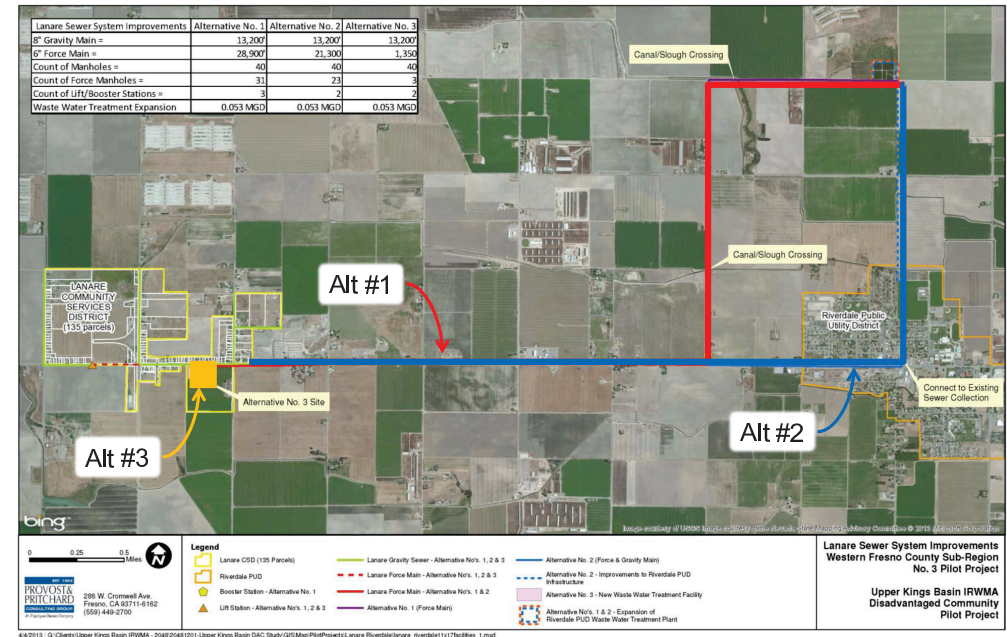
- Identifica el problema/necesidad
- Identifica las posibles alternativas disponibles para resolver problemas del agua/necesidad
  - Descripción de las alternativas
  - Las estimaciones de costos para cada alternativa
  - Ventajas y desventajas
- Estimación de los costos de la financiación necesaria para llevar a cabo el estudio de planificación y evaluación y posibles fuentes de financiamiento

## Reporte Preliminar Técnico: Identificando el Problema/Necesidad: Necesidades de las Agua Residuales para Lanare

- Condiciones actuales
  - Todas las residencias tienen sistemas sépticos
  - Potencialmente 135 Conexiones
  - Los sistemas sépticos han fracasado y los residentes están experimentando desbordamientos

## Reporte Preliminar Técnico :Identificar alternativas posibles para resolver el problema

Alternativa	Solución Sistema de Recolección	Solución Tratamiento
Alternativa 1	Sistema de Recolección de Lanare	Planta de Tratamiento (WWTF, por sus siglas en ingles) del PUD de Riverdale
Alternativa 2	El Sistema de Recolección de Lanare al sistema de recolección del PUD de Riverdale cerca de las avenidas Mt. Whitney y Valentine	Planta de Tratamiento (WWTF, por sus siglas en ingles) del PUD de Riverdale
Alternativa 3	Sistema de Recolección de Lanare	Propuesta Planta de Tratamiento (WWTF, por sus siglas en ingles) del CSD de Lanare



## Alternativa 1: Sistema de Recolección Lanare y conexión a Riverdale PUD WWTF

- Descripción de la Alternativa
  - Colecciones de la Aguas Residuales para todas las propiedades existentes desarrollados en el CSD de Lanare
  - Conectarse directamente a la planta de tratamiento, WWTF del PUD de Riverdale a través de la fuerza principal
  - Ampliar la planta de tratamiento, WWTF del PUD de Riverdale PUD por 0.053 MGD

COSTO ESTIMADO	
Costos de Construcción	\$6,547,532
Contingencia de construcción (20%)	\$1,309,500
Ingeniería, Manejo de la Construcción, Etc (15%)	\$1,178,555
<b>Estimación Total del Costo Preliminar</b>	<b>\$9,035,587</b>

## Alternativa 1: Ventajas & Desventajas

Ventajas	Desventajas
Le da al CSD de Lanare un sistema de colección de aguas residuales y con sistema de tratamiento	27,000 + pies alcantarillado principales
Reduce el problema de salud pública y el desbordamiento de la aguas residuales	Potencialmente, la ampliación de la zona de servicio y las responsabilidades de Riverdale PUD
Reduce el potencial de la contaminación de nitratos a las aguas subterráneas	Los altos costos de capital para la construcción
Proporciona financiación para ampliar el WWTF del PUD de Riverdale para acomodar los flujos de alcantarillado de Lanare	Tarifas para el Servicio de Aguas Residuales para Lanare
Aprovecha de las economías de escala que potencialmente podrá mejorar la eficiencia operativa	
La aplicación posiblemente puede recibir una clasificación mas alta debido a la solución regional y beneficio a una DAC	
La posibilidad de recibir un préstamo de "interés perdonado" o becas por los beneficios del proyecto a una SDAC	

## Alternativa 2: El Sistema de Recolección de Lanare al Sistema de Recolección del PUD de Riverdale Cerca de las Avenidas Mt. Whitney y Valentine

- Descripción de la Alternativa
  - Colecciones de la Aguas Residuales para todas las propiedades existentes desarrollados en el CSD de Lanare
  - Conectarse directamente a la planta de tratamiento, WWTF del PUD de Riverdale cerca de la Avenidas Mt. Whitney y Valentine
  - Ampliar la planta de tratamiento, WWTF del PUD de Riverdale PUD por 0.053 MGD

COSTO ESTIMADO	
Costos de Construcción	\$5,861,740
Contingencia de Construcción (20%)	\$1,172,300
Ingeniería, Manejo de la Construcción, Etc (15%)	\$1,055,106
<b>Estimación Total del Costo Preliminar</b>	<b>\$8,089,146</b>

## Alternativa 3: Sistema de Recolección y Planta de Tratamiento dentro del CSD de Lanare

- Description of Alternative
  - Sistema de Colecciones de las Aguas Residuales para todas las propiedades existentes desarrollados en el CSD de Lanare
  - Construir la planta de tratamiento del CSD de Lanare a (0.053 MGD)

COSTO ESTIMADO	
Costos de Construcción	\$5,033,480
Contingencia de Construcción (20%)	\$1,006,700
Ingeniería, Manejo de la Construcción, Etc (15%)	\$906,027
<b>Estimación Total del Costo Preliminar</b>	<b>\$6,946,207</b>

## Alternativa 2: Ventajas & Desventajas

Ventajas	Desventajas
Le da al CSD de Lanare un sistema de colección de aguas residuales y con sistema de tratamiento	21,000 + pies de fuerza del colector principal
Reduce el problema de salud pública y el desbordamiento de la aguas residuales	Posibles ajustes a las áreas de servicios, dependiendo de las discusiones de gobernanza
Reduce el potencial de la contaminación de nitratos a las aguas subterráneas	Obras de construcción temporales al sistema de colección de Riverdale PUD
Proporciona financiación para ampliar el WWTF de Riverdale PUD para acomodar los flujos de alcantarillado de Lanare	Tarifas para el Servicio de Aguas Residuales para Lanare
Aprovecha las economías de escala que potencialmente podrá mejorar la eficiencia operativa	
Mejoras en el sistema de colecciones de Riverdale PUD y estación de bombeo	
La aplicación posiblemente puede recibir una clasificación mas alta debido a la solución regional y beneficio a una DAC	
La posibilidad de recibir un préstamo de "interés perdonado" o becas por los beneficios del proyecto a una SDAC	

## Alternativa 3: Ventajas & Desventajas

Ventajas	Desventajas
Le da al CSD de Lanare un sistema de colección de aguas residuales y con sistema de tratamiento	Lanare sería dueño y operaría su propio WWTF
Reduce el problema de salud pública y el desbordamiento de la aguas residuales	No se aprovecho de las economías de escala
Reduce el potencial de la contaminación de nitratos a las aguas subterráneas	No regionaliza las oportunidades del tratamiento de aguas residuales y requiere permisos especiales
Menos infraestructura de pipas para mantener	El costo de operación del WWTF puede causar que las tarifas de aguas residuales no sean económicas
El WWTF podría ampliarse sin la participación de otra agencia en el futuro si la comunidad tiene un crecimiento	La falta de experiencia de la agencia para operar el sistema de acuerdo con las normas estatales
Reducción de los costos de construcción	Cambios en la estructura de gobernanza para el CSD del Lanare
	Tarifas para el Servicio de Aguas Residuales para Lanare
	Posiblemente la aplicación recibe una clasificación baja porque no es regional

## El costo estimado para llevar a cabo el estudio de planificación y evaluación

- Costo para el Estudio \$ 350,000
- Costo de Ingeniería para preparar planes y especificaciones se basa en la alternativa preferida
  - Rango de los Costos de Ingeniería \$600,000 - \$800,000

## Elementos (Temas) Principales que deben ser evaluadas en el Estudio de Planificación

- Determinar Área de Servicio
- Supuesto Crecimiento
- Gobernación
- El coste de las operaciones de la alternativa preferida y tarifas para el servicio de las agua residuales
- Análisis Técnico, de Manejo, y Financiero, (TMF), por sus siglas en ingles
- Alternativa Preferida no debe tener un impacto negativo al PUD de Riverdale
- Permisos


## Fuentes de Financiación Disponibles

- IRWMP Proposition 84
- State Water Resource Control Board
  - Clean Water State Revolving Fund
  - Small Community Wastewater Grant
  - Puede ser 100 % beca, pero no siempre
- Community Development Block Grant
  - Frecuenta ser 100% beca
  - Muy competitiva
- USDA
  - Buena típicamente para los “costos no cubiertos por otras fuentes”

## Financiación - ¿Cómo y qué

- Someta aplicaciones a varias fuentes
  - Planificación normalmente se le ofrece 100 % de financiamiento por medio de un beca, pero no siempre y puede necesitar varias fuentes de financiamiento
  - Construcción es muy probable que necesite varias fuentes de financiamiento
  - Típicamente, el financiamiento es una combinación de beca y préstamo
- El Ingreso Medio del Hogar, (MHI), por sus siglas en ingles debe ser establecido para Lanare
  - Determine if an ‘SDAC’





Recomendaciones por parte del Equipo del Proyecto de UK Sobre lo que se Necesita para un lograr un Proyecto Exitoso:

- Continuar las discusiones con el PUD de Riverdale PUD y desarrollar puntos de trato para el proyecto
  - Ningún efecto negativo para las operaciones de Riverdale PUD o sus clientes
  - Impactos a las tarifas a largo plazo se consideran una cuestión clave para la alternativa preferida
- Asegurar los fondos para y preparar el Estudio de Planificación y Evaluación

## Sewer Funding Options (for Lanare)

### Three basic stages to funding for Waste water:

- Planning
- Design
- Construction

For waste water, these are usually funded separately.

They can be grant for SDAC, but that's not always guaranteed. They are often part grant, part loan. Percentage of grant to loan can vary.

### State Water Resource Control Board (SWRCB)

- Can be **Clean Water State Revolving Fund (CWSRF)** or **Small Community Wastewater Grant Program (SCWG)**. SWRCB decides which fund best applies based upon application.
- For SDAC, it's 100% grant. Not SDAC, a good % is grant, but system will need a loan

### Community Development Block Grant (CDBG)

- From Fresno County
- 100 % grant for some purpose
- Very competitive
- Can pay for post construction hook ups, septic abandonment which is not covered by other funding sources
- If provided through Fresno County HARP, it would be loan, not grant.

### USDA

- Available for only rural communities (including Lanare and Riverdale)
- Usually good funding source for other agency ineligible costs, such as land purchases and contingencies

### Usually need multiple sources of funding

In most cases, projects will likely require multiple sources of funding.

### Income Status

MHI will need to be established for Lanare. Currently there is uncertainty if Lanare is SDAC (below 60% MHI) or not. 2000 Census, American Community Survey and another survey conducted in Lanare at some point show differing results. CDBG program bases income eligibility on percentage of households that are below income thresholds. This is different than other State and Federal programs that base income eligibility on median household income levels.

Self Help has developed a survey form attempting to comply with multiple funding source requirements. Details are still being worked though.

### Unsewered Community

It is Self-Help's understanding that a currently unsewered community, like Lanare, MAY qualify for 100% grant for at least the Planning phase. Confirmation of this would need to be verified for Lanare as each community usually presents unique conditions for funding sources.

**Upper Kings West Fresno Meeting 4**  
**Raisin City**  
**4-17-2013**

Maria began the meeting with a welcome and a brief summary of the processes and past meetings. She introduced herself and went around the room for introductions.

She then discussed the goals of the meeting and provided a summary of the general interest of the subregion and purpose of the pilot project selected. Drinking water and wastewater, managerial or operational collaboration, and regional water metered conservation rate were noted. She then noted that based on those discussions the project team had developed a pilot matrix that listed potential pilot projects for this subregion. (See Slides)

Lon Martin provided a presentation on the pilot project selected. His presentation included:

- The purpose of pilot;
- Steps taken to conduct the pilot;
- What is need to generate a successful preliminary grant application
- The reason for seeking funding for feasibility study, i.e. to evaluate the options available to address wastewater needs of Lanare;
- Alternative for construction and improvements using a map;
- Defined the advantages and disadvantages of these different alternatives;
- Provide costs estimates for each alternative and costs estimate to conduct the feasibility study;
- Key items that should be evaluated in the feasibility study;
- Discuss potential funding sources available to advance the project.

Maria then discussed how to continue advancing Solutions in the subregion. She began by providing a summary of the steps the pilot has already allowed the subregion to take, i.e. the subregion was in a better position to seek the funding needed to conduct a feasibility study. She again encouraged the subregion participants to continue discussions with the Riverdale PUD. She also talked about the need to engage in the IRWM process and provided information on how to become an Interested Party or member of the UK IRWMA. And concluded the next steps discussion by reminding the subregion of the momentum that has been developed as part of this effort and encouraged the subregion to continue to work together by pursuing joint projects whenever possible now that they are aware of the water needs of the subregion and also suggested that they represent each other's needs and projects in the IRWM process.

6:40 Maria helped everyone understand how fill out the project evaluation forms.

Meeting concluded.

