

NORTHERN KEARNY FINNEY COUNTY LOCAL ENHANCED MANAGEMENT AREA (KFL)

Presentation to GMD#3 Board on April 12, 2017

OVERVIEW

- Who we are ~ How we got here ~ and Why we are here
- Summary of LEMA Proposal
- Next Steps

WHO WE ARE ~ HOW WE GOT HERE ~ AND WHY WE ARE HERE

Northern Kearny Finney County
Local Enhanced Management Area (KFL)

WHO WE ARE

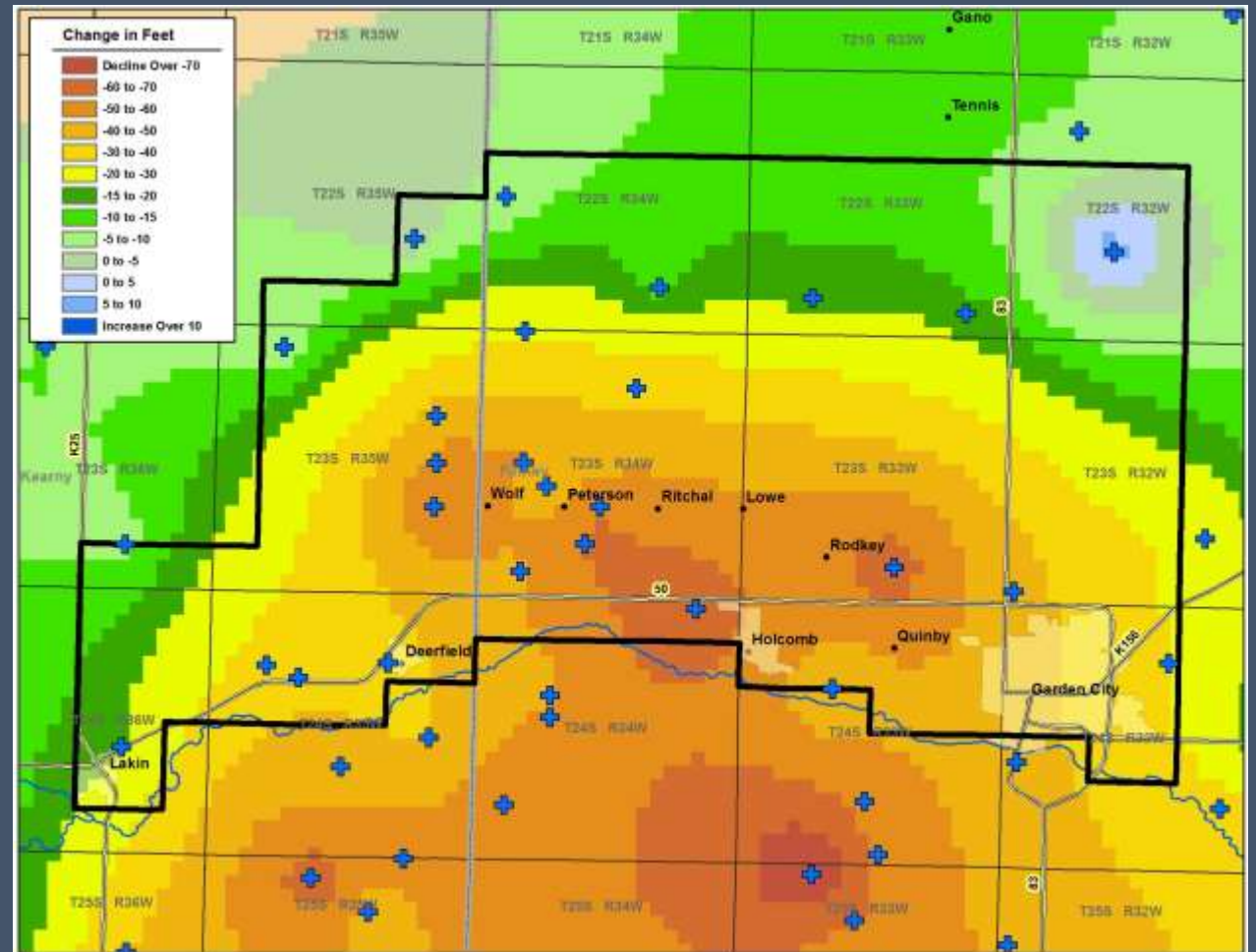
- We are landowners and producers who represent and operate inside this proposed boundary
- We all have irrigation wells ranging in capacity from 200 gpm to 1200 gpm
- Inside this proposed LEMA is our community. We are all competitors but also neighbors.
- Everyone on the committee has a succession plan for the next generation. we all have sons and daughters, grandsons and granddaughters.
- We would like that succession plan to have irrigation sustainability for all inside the proposed LEMA for future generations.

HOW WE GOT HERE

- Fall of 2016 was our first meeting
- January 6th with the help of KGS we met and began developing concept
- Since January 6th steering committee has had meetings basically every two weeks
- In between the scheduled meetings members of the committee have met in small groups amongst themselves or in other cases have met with personnel from the GMD3# and DWR

WHY WE ARE HERE

- We need to do something sooner than later for water conservation inside our proposed LEMA boundary
- The reductions are modest but will make a difference. Not only for the present, but for the future.



Water Level Changes (2005-2016), Kansas Geological Survey

SUMMARY OF LEMA PROPOSAL

Northern Kearny Finney County
Local Enhanced Management Area (KFL)

LEMA PROPOSAL SUMMARY

- 15% reduction over a 5-year period
- Only appropriated irrigation groundwater rights
- Vested rights are encouraged to participate voluntarily
- Non-irrigation uses encouraged to implement conservation plans
- No ceiling/No floor
- Process in place to give consideration for past voluntary conservation

FLEXIBILITIES

- Five-year allocation
- Move LEMA allocations
 - Consolidated well units & within 2-miles as long as authorized quantity not exceeded
 - Greater than 2-miles as long as historical use is not exceeded
- Roll over a portion of unused quantity if LEMA renewed

FAIR CALCULATIONS FOR PAST USE & VOLUNTARY CONSERVATION

Several options:

- Actual historic use (2006-2015)
- Average historical use without zeros
- Flow Test
- Compare to Net Irrigation Requirement (NIR)

NEXT STEPS

Northern Kearny Finney County
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NEXT STEPS

- April 19th – Stakeholder Information Meeting
- Additional Steering Committee meetings to further refine proposal
- What are we asking from the board?
 - Input and support
 - Acceptance of this proposal so we can advance it to the public meeting

THANK YOU

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Local Enhanced Management Area (KFL)

ADDITIONAL REFERENCE SLIDES/EXAMPLES

Northern Kearny Finney County
Local Enhanced Management Area (KFL)

LEMA PROPOSAL

- KFL will affect all Appropriation Water Rights whose source is groundwater
- Vested Water Rights within the KFL boundaries shall not be regulated but are encouraged to enroll voluntarily in the KFL.
- KFL Allocations for irrigation use will be established as follows:
 - Each groundwater appropriation right will be allocated 85% of its Historical Usage multiplied by five
 - Quantities shall be expressed in terms of total acre-feet
 - No water right shall receive more than the currently authorized quantity times five for a KFL Allocation
- KFL Term Permit needed if individual water right exceeds their annual authorized quantity (must still remain within KFL appropriated quantity)

IRRIGATION WATER RIGHT ALLOCATIONS

KFL Allocation =

Historical Use (2006-2015) X 0.85 (applies 15% conservation factor) X 5

No well shall be allowed to pump more than its Authorized Annual Quantity in any single year unless authorized by a KFL Term Permit

Authorized Quantity	Historical Use	5-Year Average Historic Use	5-Year KFL Allocation
100 AF	91 AF	455 AF	386.75 AF

Examples	2018	2019	2020	2021	2022	5-Year Total
5-year allocation without exceeding Auth Q	80	75	80	75	76.75	386.75
KFL Term Permit provides option to exceed Auth Q	105	70	70	70	71.75	386.75

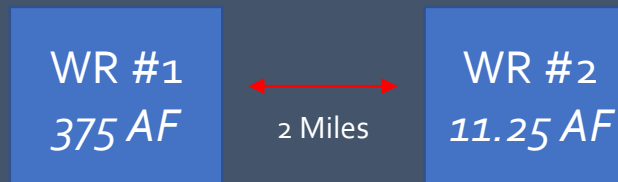
TEMPORARY TRANSFERS

	Authorized Quantity	Historical Use	KFL Allocation	5 X Historic Use
Water Right #1	75	70	297.5	350
Water Right #2	25	21	89.25	105
	100 AF	91 AF	386.75 AF	



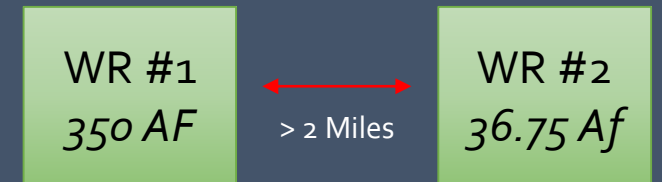
Consolidated Well Unit

Can move allocation from WR#1 to WR#2 (or Vice Versa) up to 5 X Auth Q as long as 5-year KFL allocation of the rights is not exceed.



Up to 2 Miles

Can move allocation from WR#1 to WR#2 (or Vice Versa) up to 5 X Auth Q as long as 5-year KFL allocation of the rights is not exceed.



More than 2 Miles

Can move allocation from WR#1 to WR#2 (or Vice Versa) up to 5 X Historic Use as long as 5-year KFL allocation of the rights is not exceeded.

CONSERVATION

Paragraph IV.a.5 states “Due consideration will be given for past conservation. If water rights are or have been enrolled in conservation programs, have implemented past conservation measures and/or have no usage history or incomplete usage history during the Comparison Years, establishment of the KFL Allocation will follow the guidelines set forth in Attachment F.”

Example:

Enrolled in EQIP with nonuse 2006-2008

Use in 2009-2015 = 150 AF/yr

Authorized Quantity = 200 AF

Pumping Test = 250 gpm

Allocation may be determined by:

1. Actual historic use – 1050 AF/10 years
= $105 \text{ AF} \times 0.85 \times 5 = 446.25 \text{ AF}$
2. Average use without zeros – 150 AF x 0.85 x 5 = 637.50 AF
3. Flow Test = 250 gpm x 1440 x 120/325,851 = 133 AF for missing years
= 615.28 AF

Appeal to Advisory Board

Recommendation to GMD

GMD Decision

Deadline for appeal decision before first application of water