

Electrical District Number 8

Maricopa and Yuma Counties

April 5, 2013 Workshop Presentation to the Arizona Power Authority

- **Overview:** Because of the Hoover Power received in 1987 coupled with cost effective management and supplemental supplies making the resulting rates affordable to farmers, the District's irrigated acreage and electric loads have grown materially since 1987. The increased acreage is irrigated with pumped groundwater; but most of it had been fallow for decades due to unaffordable power costs. ED8's dramatic resurgence in irrigated acreage has had a materially positive impact on the local farm support and secondary economies. That resurgence could quickly reverse, however, if water costs increase due to material power cost increases.

- **ED8's only Federal Power is Hoover.**

	<u>Capacity</u>	<u>Energy</u>
Red Book allocation of Hoover A and B:	23,260 kw	55,705 mwh

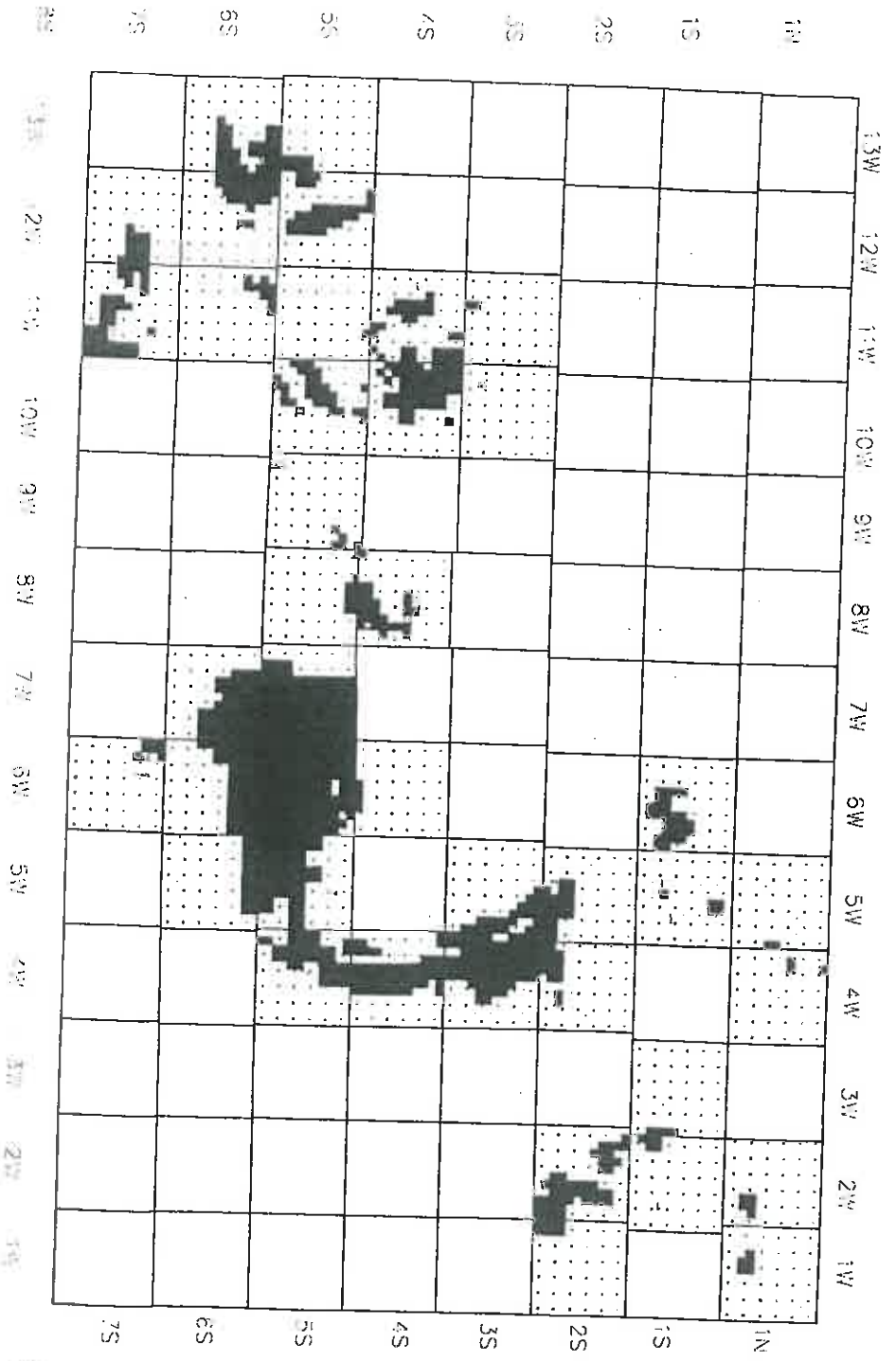
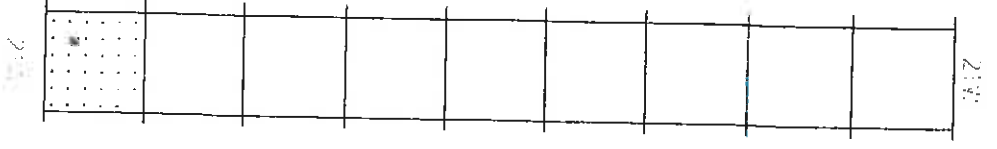
- **ED8's Loads:**

	<u>Peak Demand</u>	<u>Annual Energy</u>
1987 Load:	32,961 kw	85,507 mwh
Current* Load:	61,744 kw	280,000 mwh

*ED8's loads will increase during 2013 to approximately **72,000 kw** and **327,000 mwh** upon completion of pending proceedings for inclusion of additional lands and pumps.

ED8 serves one of the largest irrigation electric loads among APA's customers

- **ED8 does not receive CAP water.** Its largest customer does have some surface water supplies from the Gila River.
- **ED8 serves only agricultural-related loads, primarily irrigation groundwater pumps.**
 - Irrigation wells and pumps, including re-use sumps and drip system boosters
 - dairies
 - cotton gins
 - feed mills
 - produce coolers
 - fish farm supply wells and aerator pumps
 - egg farms
- The farms served by ED8 are the only permanent economic base of the Gila Bend, Rainbow Valley, Hyder and Dateland areas. These lands are not experiencing the urbanization seen in the Metro-Phoenix area districts. (Recent solar generating plant construction has brought major construction trades employment to the western Maricopa and eastern Yuma County area; however, that impact is only temporary and short-lived, as the completed solar plants provide minimal long-term employment.)



ED8 BOUNDARIES / PROPOSED PPC BOUNDARIES

THE HARGUVAR COMPANY

10-58 10% 20%
 15-58 10% 20%
 19-58 10% 20%
 23-58 10% 20%
 27-58 10% 20%
 31-58 10% 20%
 35-58 10% 20%
 39-58 10% 20%
 43-58 10% 20%
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 75-58 10% 20%
 79-58 10% 20%
 83-58 10% 20%
 87-58 10% 20%
 91-58 10% 20%
 95-58 10% 20%
 99-58 10% 20%

01 OF 24
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 01 OF 24