

Efficient Irrigation: Our Mission to Minimize Water Waste

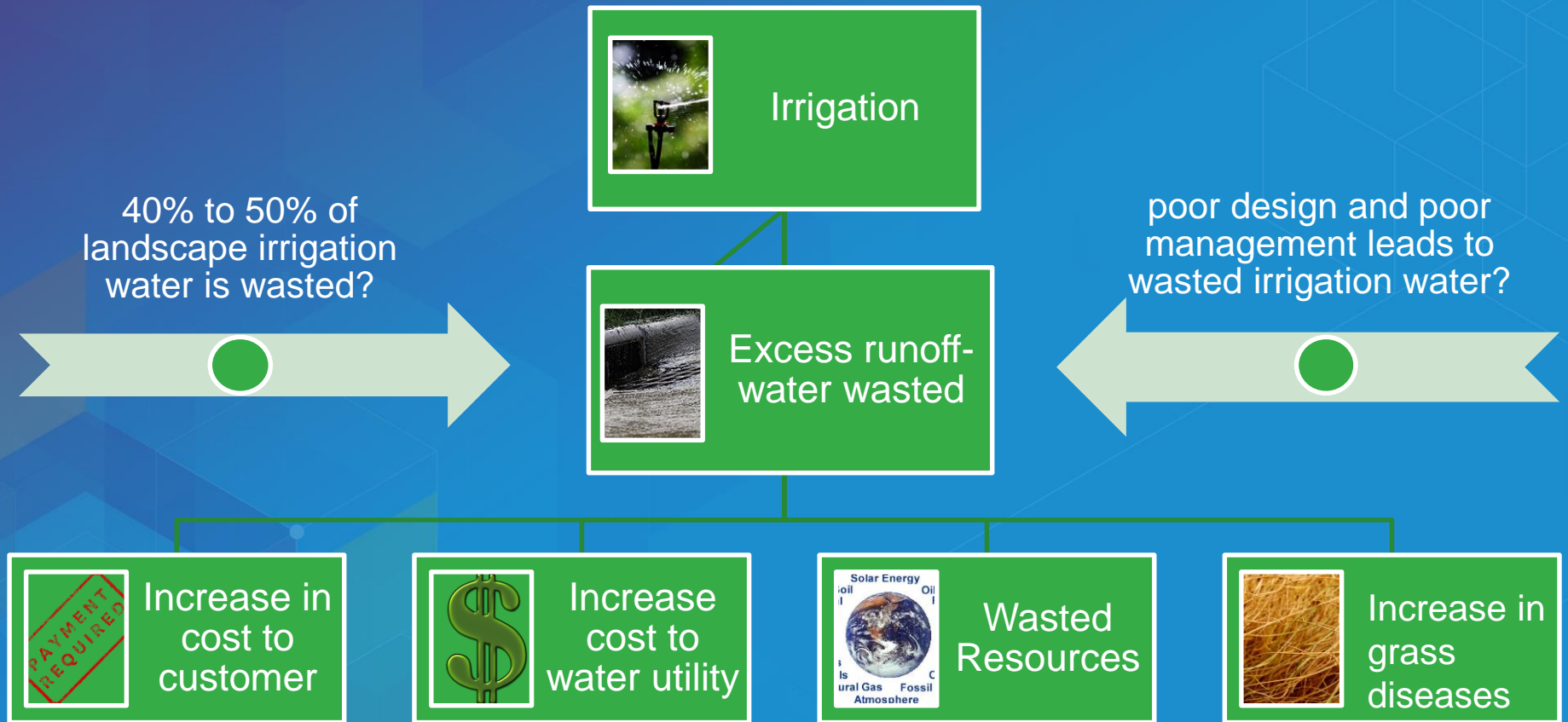
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Consequences of “Over Irrigation”



GIS plays a role in our conservation efforts...

- ✓ ***Develop visual representation of the irrigated area (raster files)***
- ✓ ***Digitize Asbuilts drawings in GIS of the irrigated region to determine its size and design***
- ✓ ***Conduct calculations of irrigated area***
- ✓ ***Analyze current water usage***

Calculate area of polygon
(portions of plant matter
needing water)

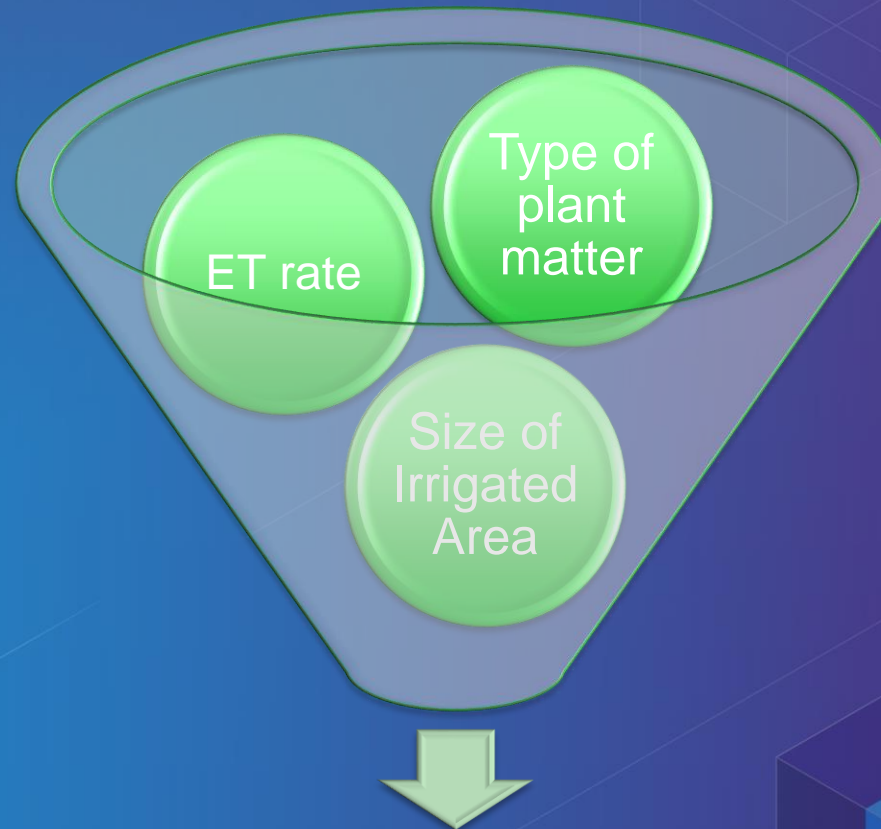


Aerial Imagery

Shaded tree area

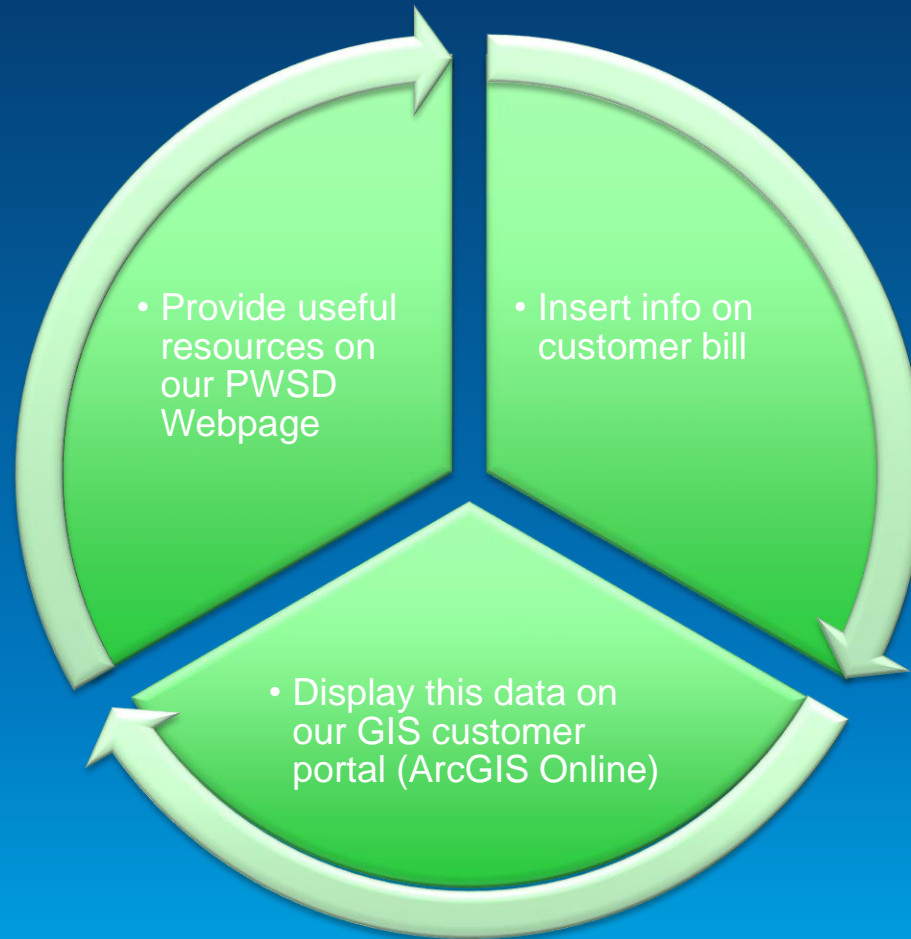


Determining the amount of water a customer should be using for irrigation

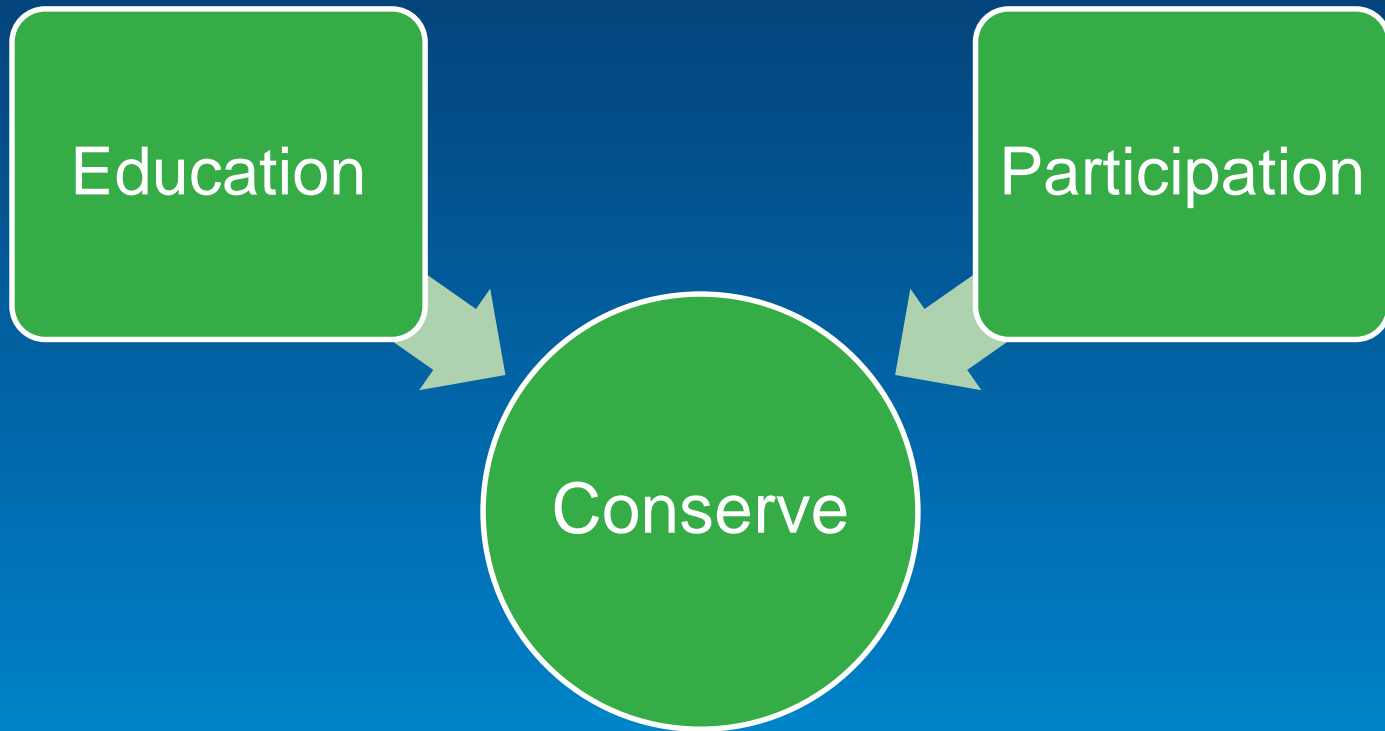


Efficient Irrigation

Relaying the information to our customers...



The key to conservation



Our summarized approach

Determine size of customer's irrigated area: aerial imagery of irrigated area with fly over, utilize Asbuilt design, or survey area

Import data into GIS

Analyze area represented in GIS

Determine the proper amount of irrigated water use

Relay info to customer