

History of Dixon Water System

Water Rate Advisory Ad Hoc Committee
April 27, 2023





Presentation Outline

- Overview of Water Providers in Dixon
- History of Dixon Water System



City of Dixon Water

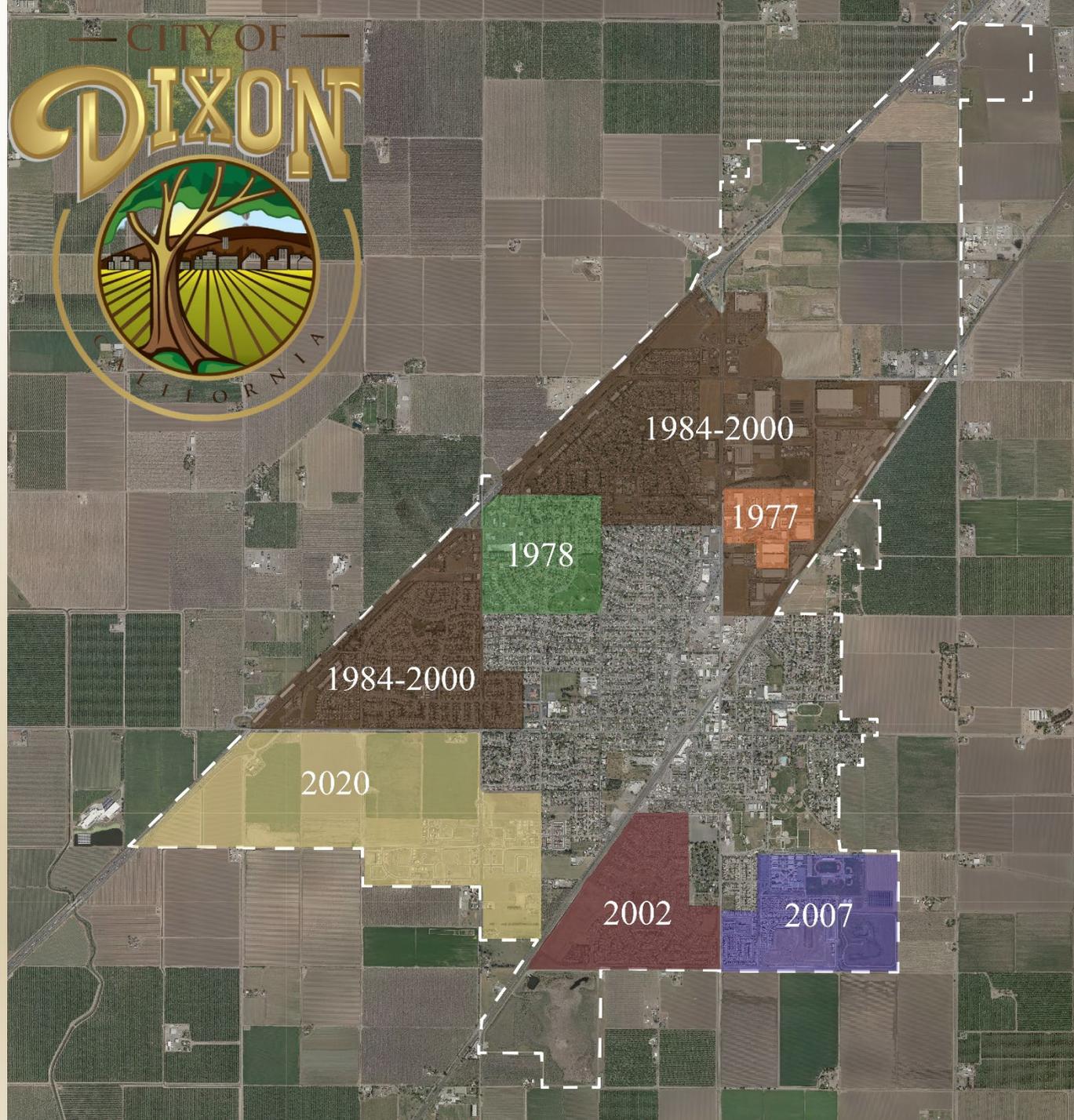
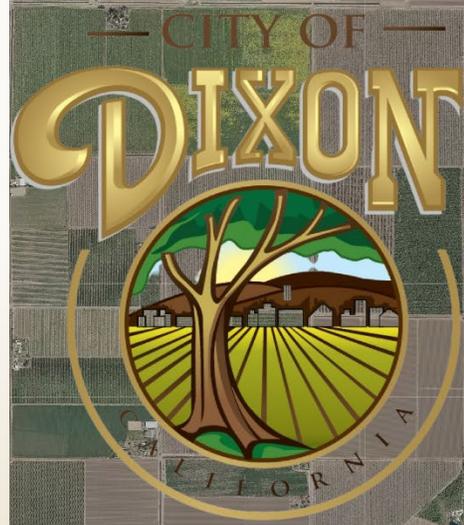
- Two water systems (City and Cal Water)



Quality. Service. Value.®

- Currently the City of Dixon serves ~3,600 service connections





History of System

Joint powers agreement established between the City of Dixon and Solano Irrigation District (SID).

1984



Dissolved JPA; City managed system with third-party contractor. Unsuccessful and created additional challenges.

2014

1977

- City was issued a permit for Industrial Park water system
 - SID with developers constructed a well to serve Watson Ranch subdivision

1984-2014

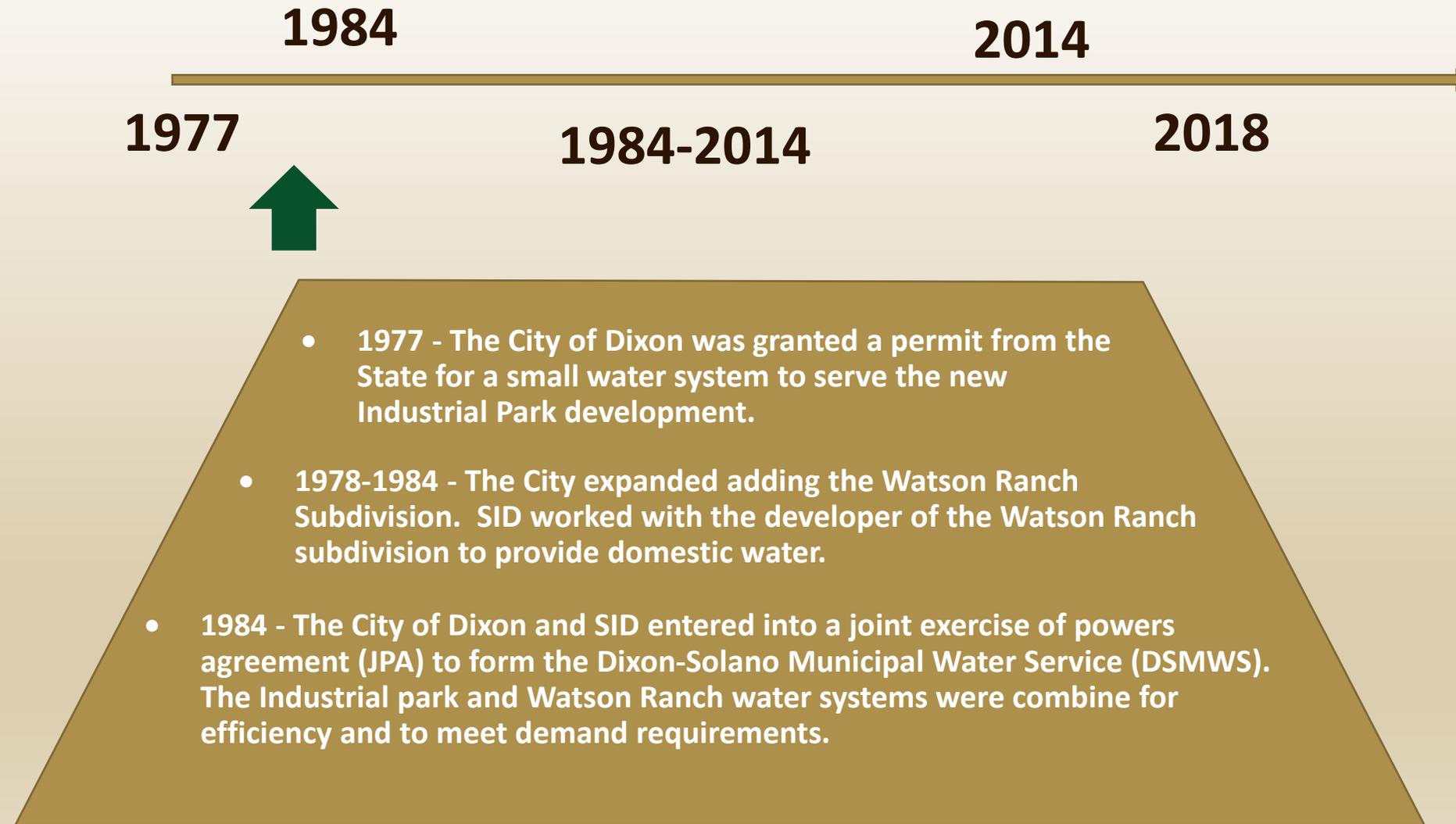
Dixon-Solano Municipal Water Service (DSMWS). SID operated water system and the City managed billing.

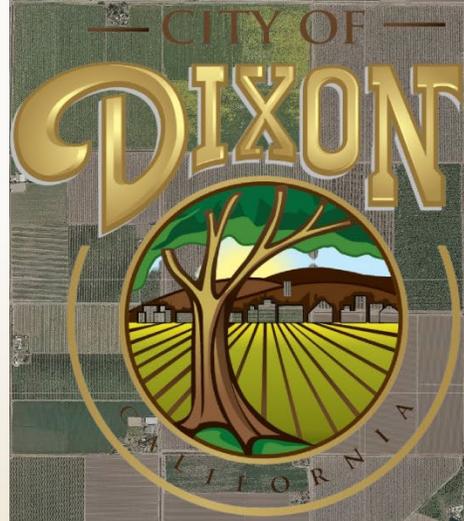


2018

The City released the third part contractor and built an Operations & Maintenance Division for the Municipal water system.

History of System



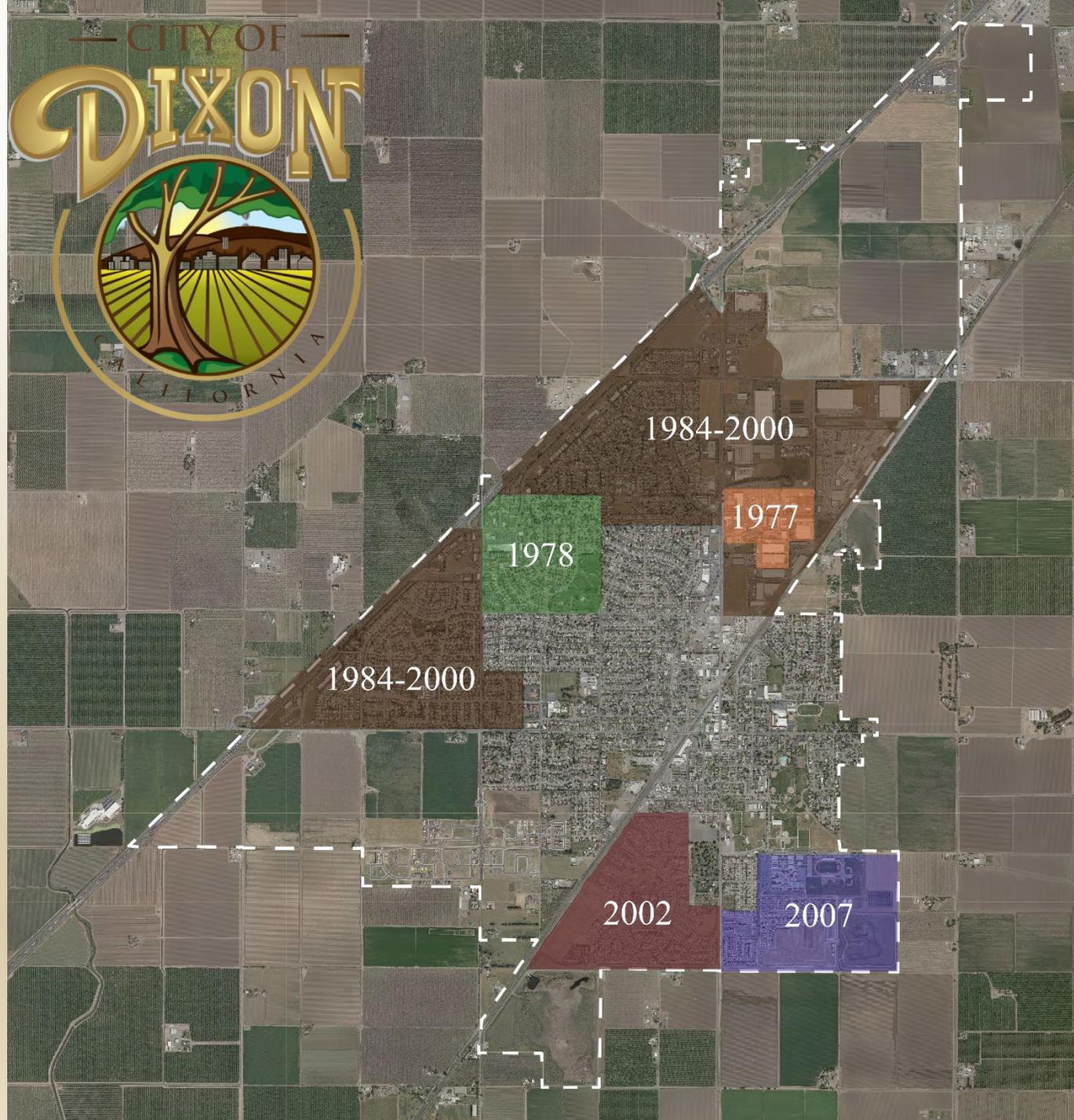
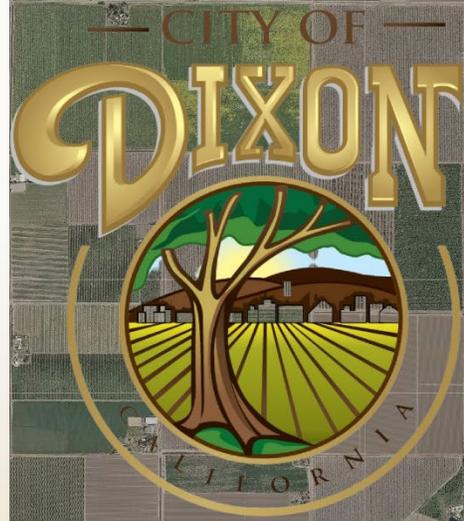


History of System



- 1989 - DSMWS added School Well facility (direct feed deep well) constructed as part of the Pheasant Run subdivision
- 1995 - Watson Ranch Facility was expanded adding a storage tank and booster station
- 2000 - The system added a storage tank and booster station on Fitzgerald Drive, feed by the Industrial Well
- 2002 - The City expanded to the South and created an independent pressure zone and added a direct feed well for the Valley Glen subdivision
- 2005 - The Watson Ranch Facility added a new booster pump room with increased pumping capacity for the Northern system
- 2007 - The Southern system added the Parklane facility, a deep well and two (2) 1-million gallon storage tanks and booster pump station





City of Dixon Water System 2014-Present Day



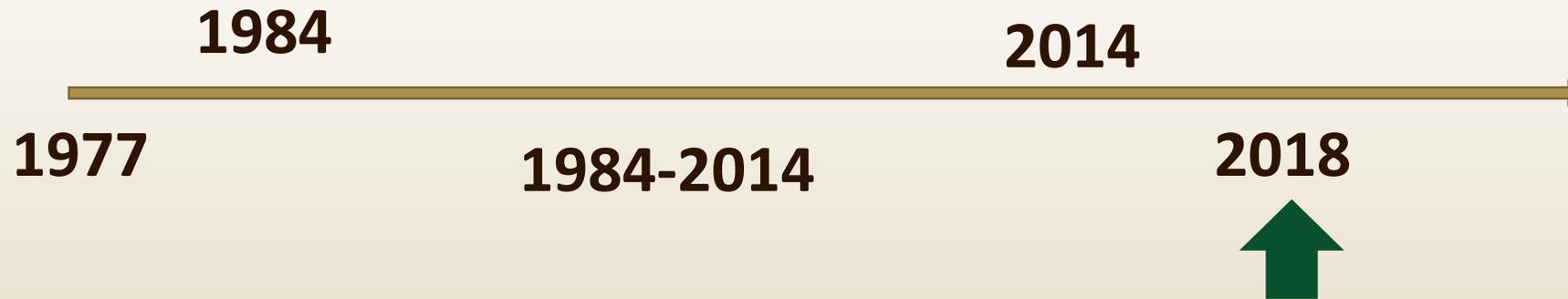
History of System



- 2014 – JPA expired. City Council elected to not renew. City assumes full operations and maintenance of water system.
- 2014 – Council adopted City’s Municipal Code for Water. Adopted rates and fees remained the same as established in 2012 and 2013.
- 2014 - City granted permit to operate public water system CA4810009.
- 2014 - City hired a third party contractor to run operations until they could establish an internal Operations and Maintenance Division.
- 2016 – Deficiencies were identified and a Water System Master Plan was conducted.
- 2016-2018 – Water System Master Plan & Rate Study completed.



History of System



- 2018 – New rate system went into effect.
- 2018 – Council directed staff to eliminate the third party contractor and build internal Operations and Maintenance Division.
- 2018 – City partnered with Cal Water to assist with the transition. Cal Water helped as the City hired three (3) Water Operators and one (1) Water Supervisor to run the Water Operations and Maintenance Division.

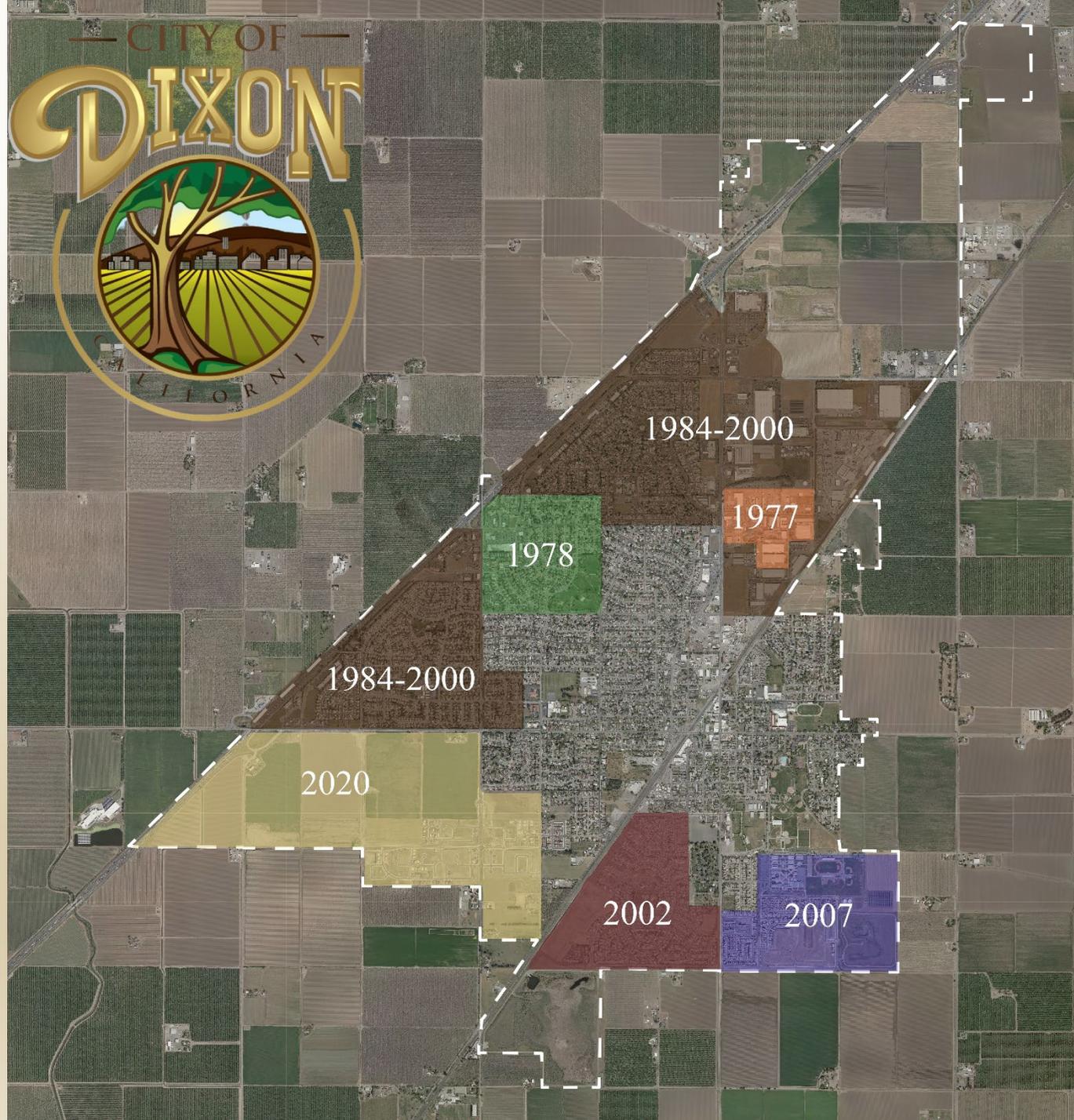
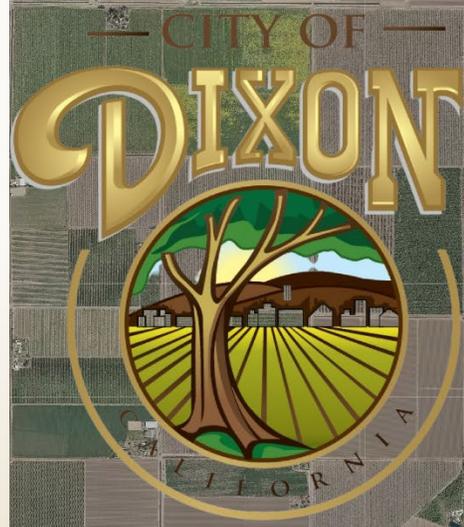


History of System



- 2019 - Partnership with Cal Water ended. City began successfully operating the water system with an internally staffed Water Operations and Maintenance Division.
- 2020 – The new rate structure was repealed. All funding for CIP projects was placed on hold.
- 2020 - Water Quality issues results in Industrial well re-classified to an emergency standby source by the State.
- 2020 – Homestead Development and transmission line was constructed connecting North & South pressure zones, increasing redundancy and capacity.
- 2021 – The City crossed the 3030 service connections threshold and was reclassified from a Small Water System to an Urban Water Supplier.
- 2021 - City updates the 2016 Water System Master Plan (WSMP). Evolution of system and institutional knowledge of operations staff validated the need to complete the 2021 WSMP addendum including revisiting Capital Improvement Projects (CIP) and severity scenarios.
- 2022 – City & Raftelis presented CIP alternatives and financial analysis to public.
- 2023 – City Council established the Water Rate Advisory Ad-Hoc Committee.





City of Dixon

Questions?

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