

***Recycled Water Planning
and Projects Update***

Policy Decisions Impacting Water Sustainability

1970
NEPA

1970
CEQA

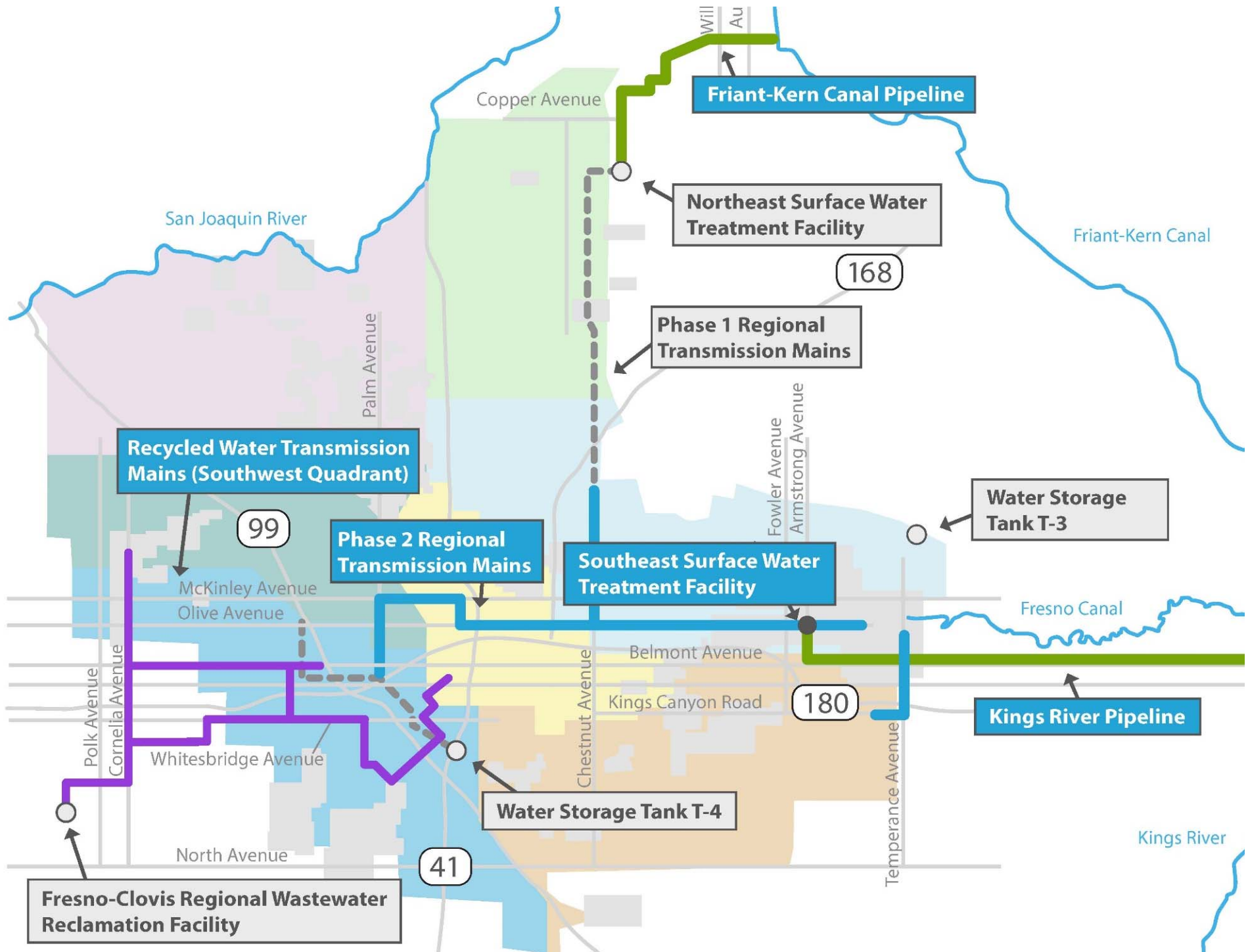
1973
Endangered
Species Act

1980s
Public Trust
Doctrine

2014 & 2018
SGMA &
Water Budgets



DPU Major Projects



Recycled Water Facilities and Projects



PRODUCTION

- Fresno-Clovis RWRF TTDF (5 mgd)
- North Fresno WRF (0.7 mgd)



DISTRIBUTION

- 10-54 inch diameter pipelines
- Conveys recycled water from treatment plants to users

Recycled Water Users

LANDSCAPE IRRIGATION:

- Parks
- Golf courses
- Schools
- Cemeteries
- Freeways
- Residential
- Agriculture

COMMERCIAL AND

INDUSTRIAL USE:

- Cooling
- Washdown
- Process water supply

GROUNDWATER RECHARGE

OFFSET OF OTHER POTABLE WATER USES

**THINK GREEN
GO PURPLE**

PROUDLY
IRRIGATED WITH
RECYCLED
WATER

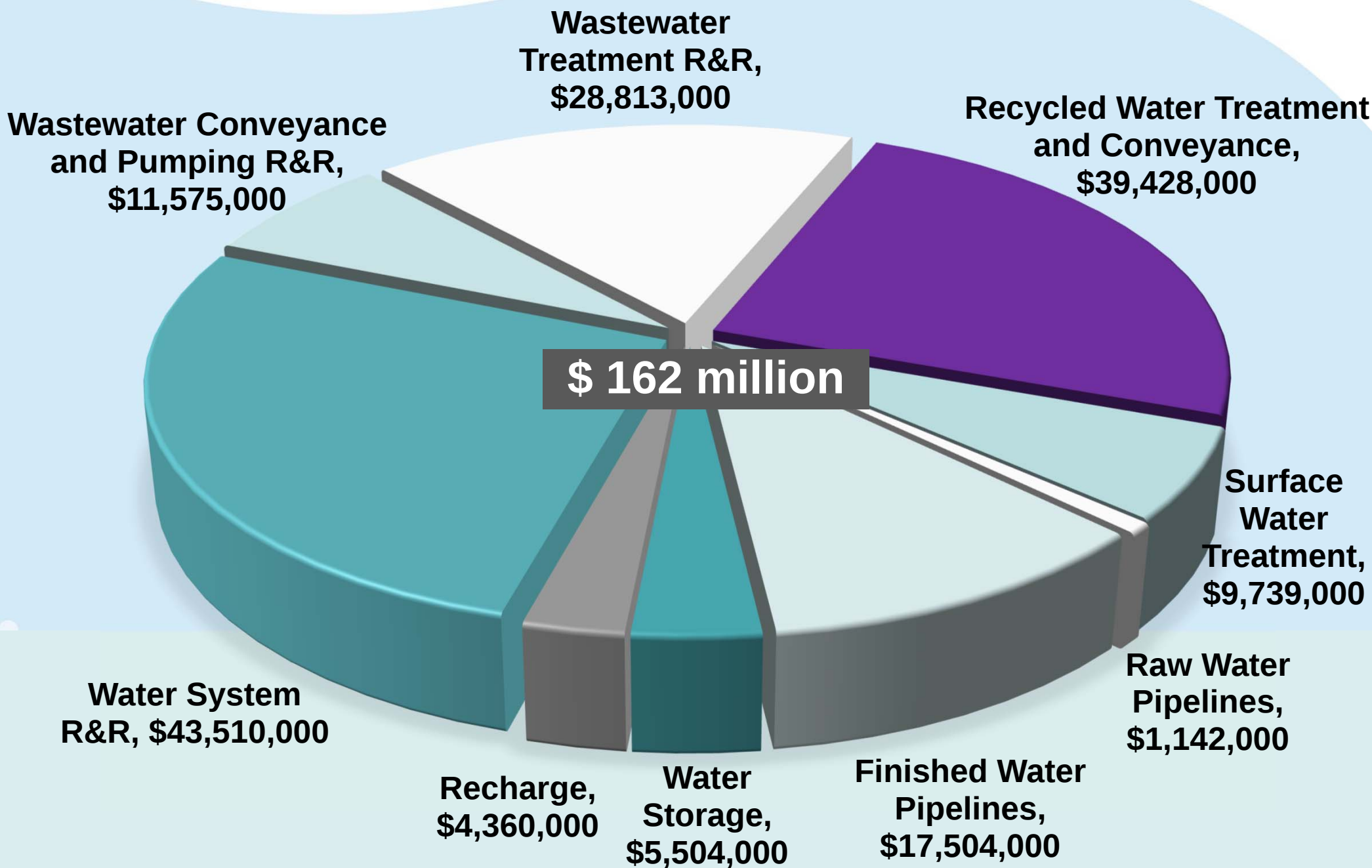
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RECYCLE. THOV TXHOB HAUS. UA TSUAG.

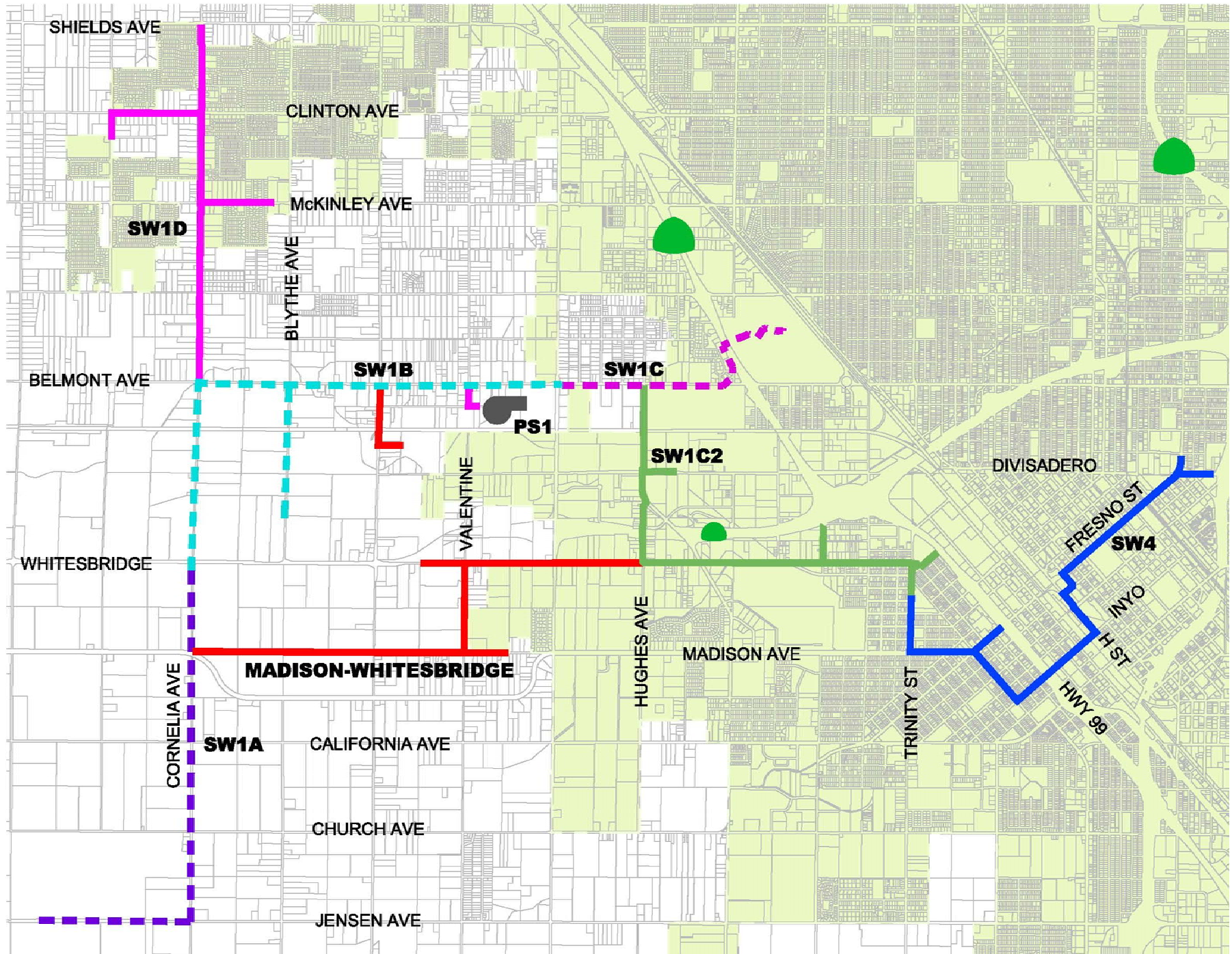
City of
FRESNO



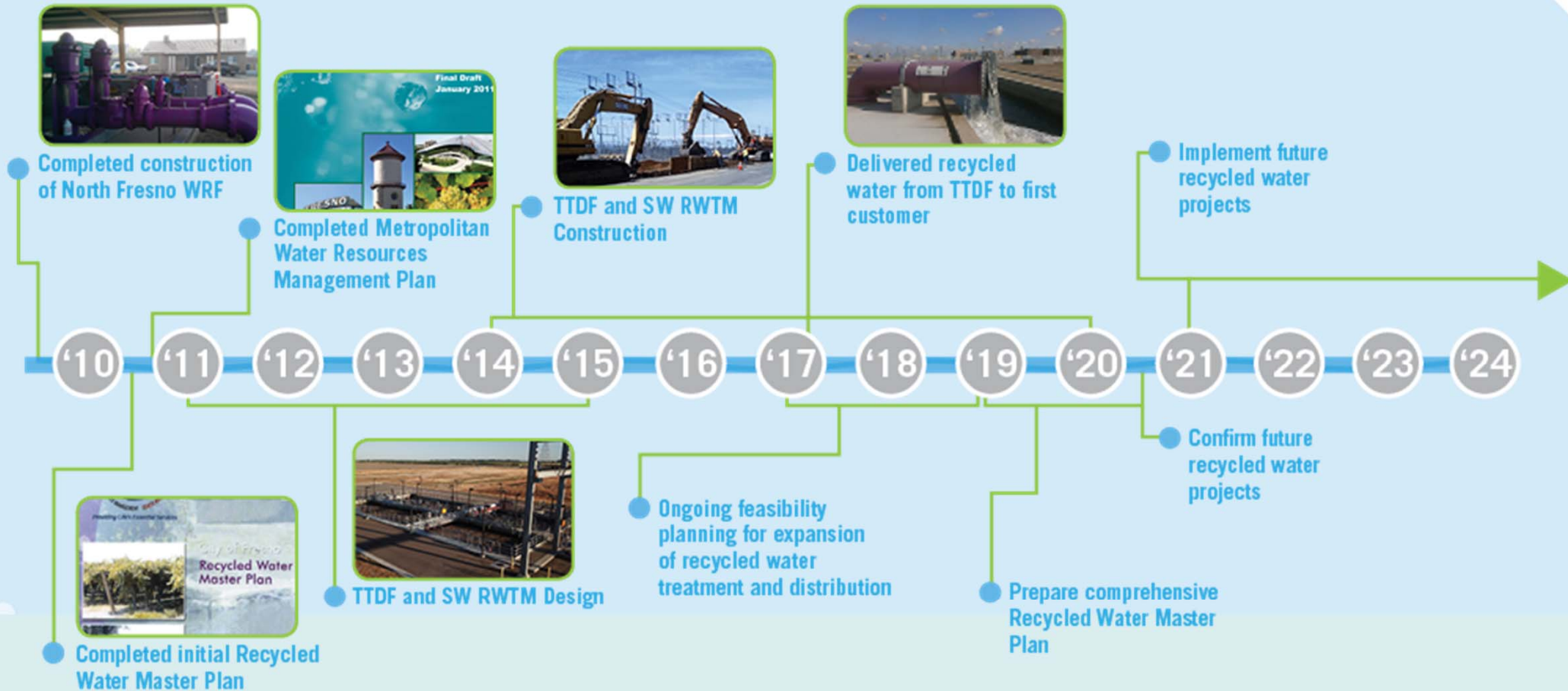
FY 2019 DPU CIP Planned Expenditures



Completed and Ongoing Recycled Water Projects in Southwest Fresno



Planning and Implementation Timeline



Planning for future Recycled Water Projects

ONGOING

- Northeast / Northwest user analysis and distribution system planning
- North WRF recycled water utilization
- RWRF Tertiary Treatment Facility expansion
- Satellite tertiary treatment facilities
- Continued user identification and demand analysis

PLANNED

- Preparation of Recycled Water Master Plan
- Confirmation of strategy and projects

Planning for future Recycled Water Projects

MASTER PLANNING

- Integrated water resource mgmt
- Demand and supply analysis
- Regulatory analysis
- Market trends and opportunities
- Benefits to community
- Project alternatives analysis
- Cost feasibility and optimization
- Hydraulic modelling to minimize cost
- Funding availability
- Decisions for a phased / prioritized CIP



Increasing use of recycled water for landscape irrigation and other non-potable uses is an important component of the City's water supply plan, enabling environmental stewardship through sustainable use of all water resources.

www.RechargeFresno.com

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