

Nutrients Watershed Permit: 2026 Update

October 21, 2026



2026 RMP Annual Meeting

Overview

1. Background
2. Total Inorganic Nitrogen Loads
3. Alternatives Analyses and Project Updates
4. Regional Planning Status Report
5. Nutrient Management Strategy Update
6. Next Steps

Dry Season – Sources of Total Inorganic Nitrogen

	Pre-2022	2025
POTWs	86% (45,200 kg/day)	86% (41,700 kg/day)
Delta	12% ¹ (6,200 ¹ kg/day)	13% ¹ (6,200 ¹ kg/day)
Refineries	2% ² (970 ² kg/day)	1% (550 kg/day)

¹ Based on data from *Nutrients in the Northern San Francisco Estuary* from SFEI in 2021.
² Based on 2011 data.



Locations of the Dischargers by HDR/BACWA, 2026, Group Annual Report.

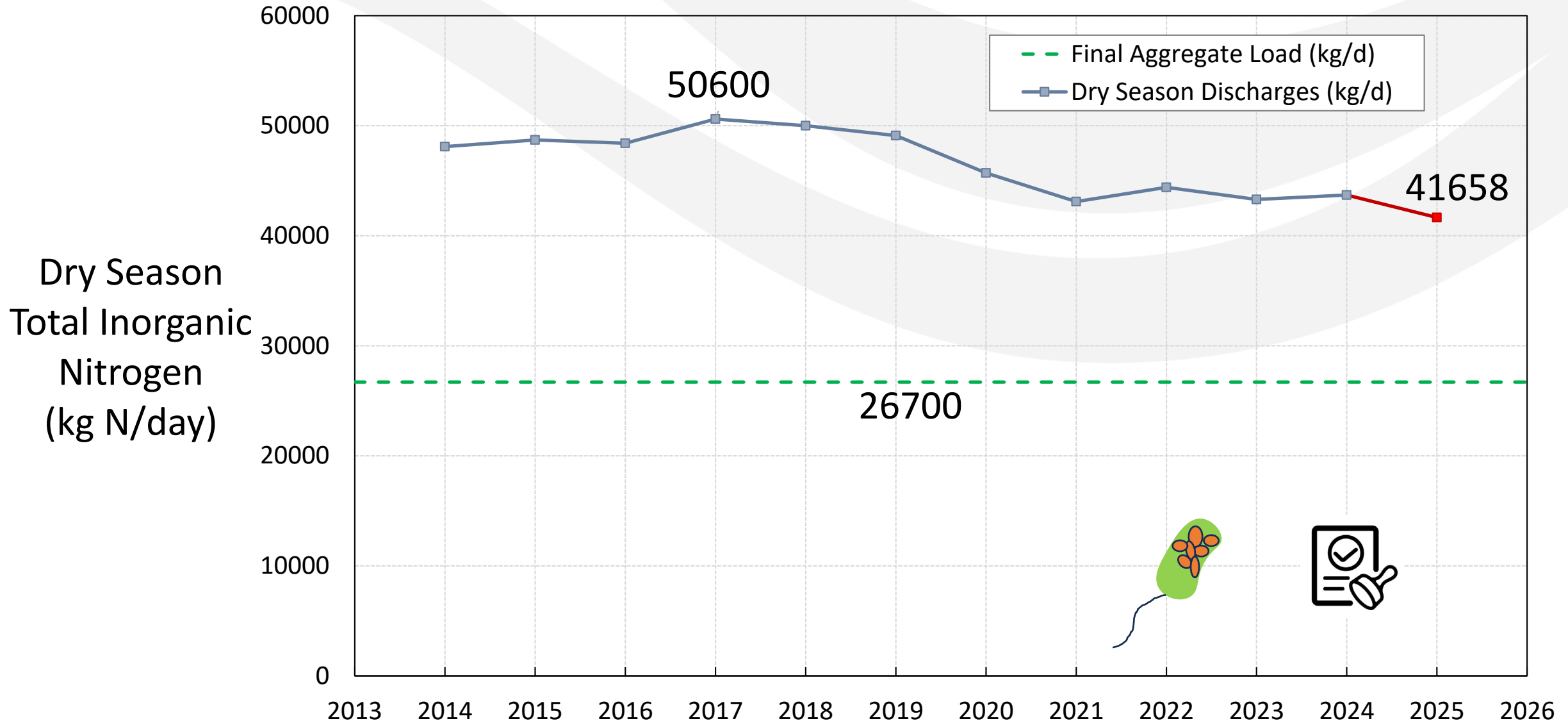
Nutrient Management

Protect Beneficial Uses:

- ✓ Aquatic Life
- ✓ Recreation

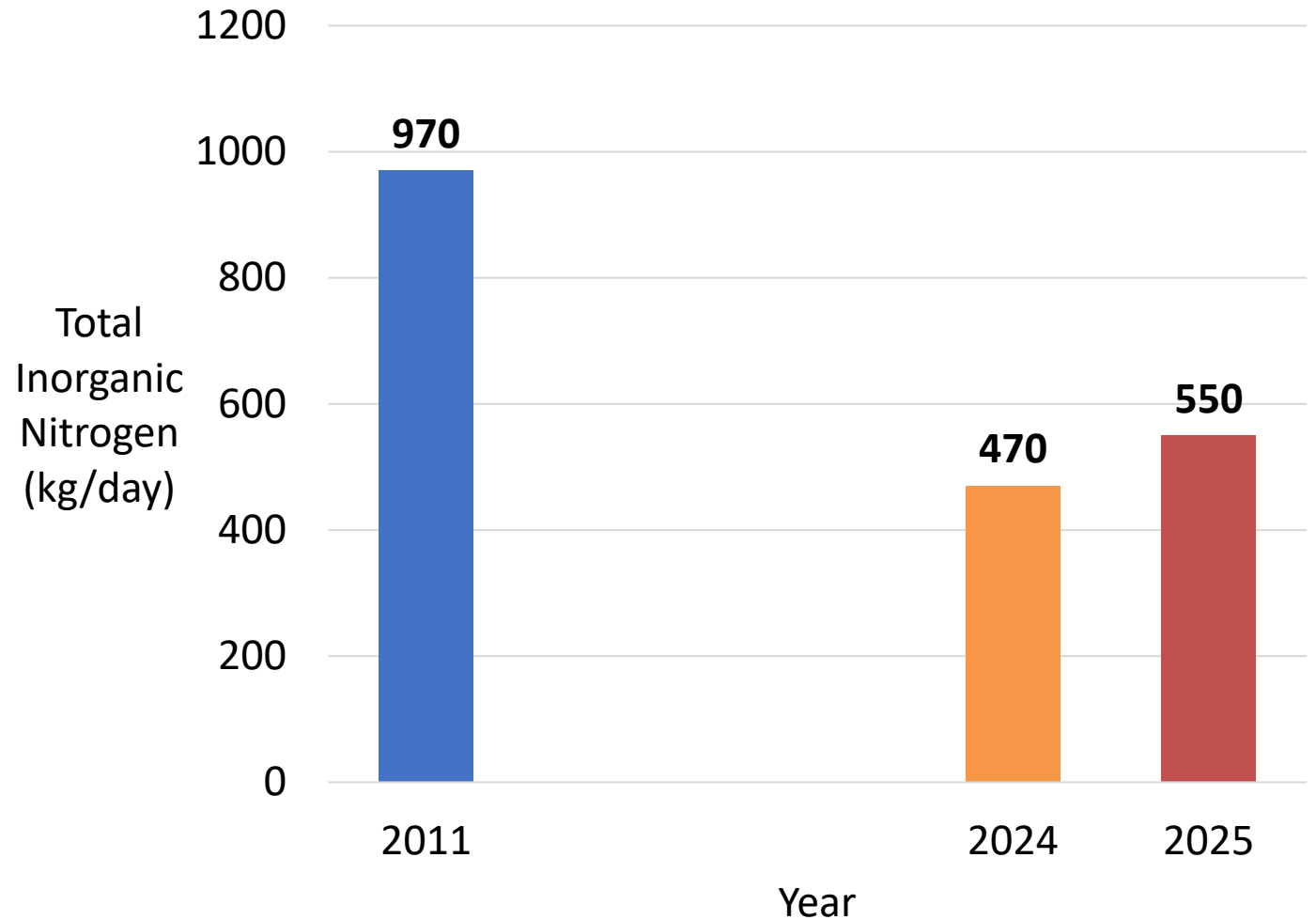


POTWs – Total Inorganic Nitrogen Loads

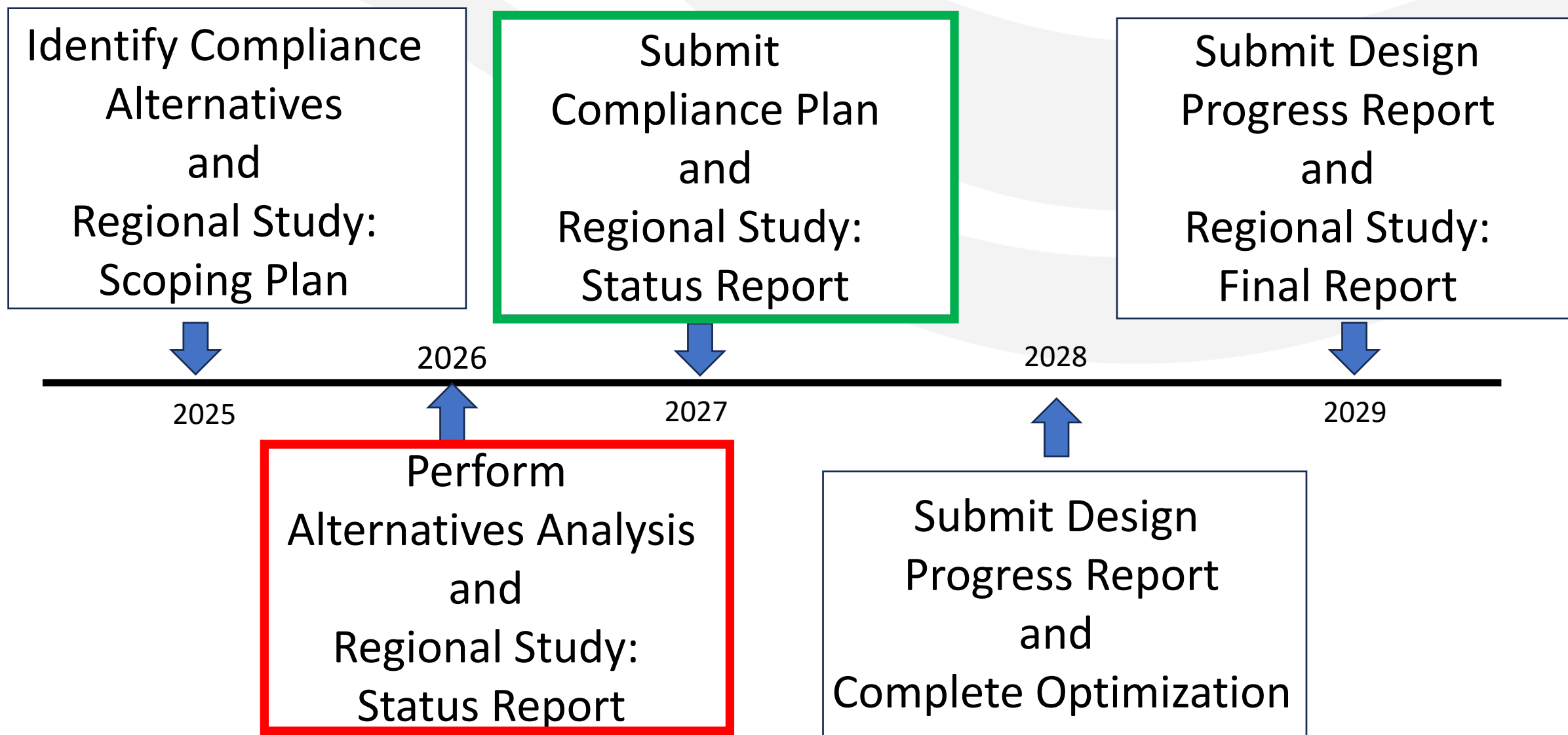


Refineries – Total Inorganic Nitrogen Loads

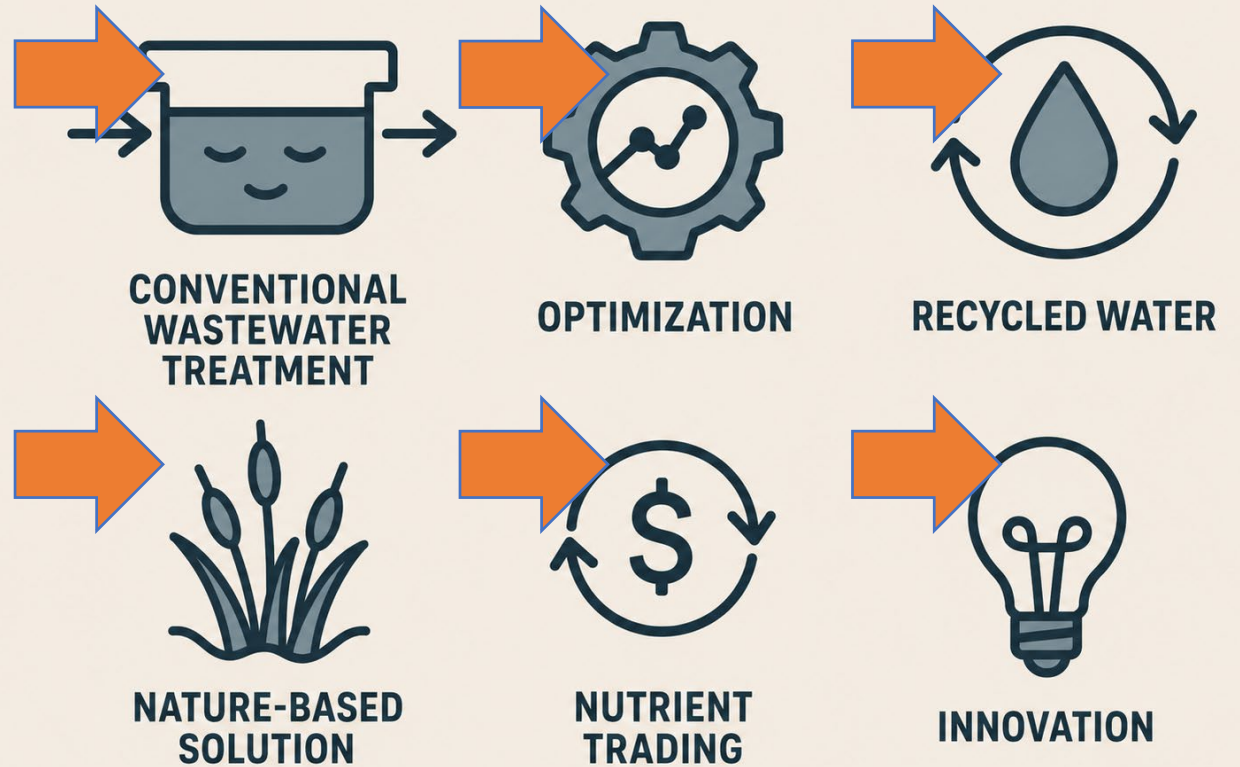
- Changes since 2011:
 - Chevron – nitrogen reduced in source water
 - Tesoro & Phillips 66 – converted to renewable feedstocks
- Per 2024 monitoring order:
 - Status report due Nov. 2026
 - Final report due July 2027



Compliance Milestones



Alternatives Analyses





Regional Planning Status Update



**Regional
Schedule**



**Costs of
Projects**



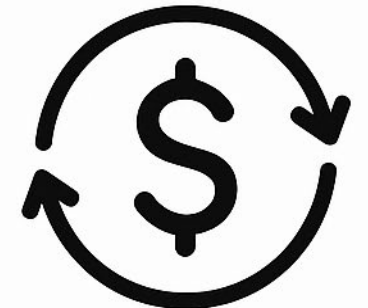
**Financing
Alternatives**



**Impact of
Projects on
Other
Regulations**



**Identify
Enhanced
Nutrient
Reduction**



**Nutrient
Trading
Program**

Nutrient Management Strategy Update

- Implementing the Science Plan (2025-2030)
- Modeling Advisory Group



NUTRIENT WATERSHED PERMIT

ORDER R2-2024-0013

**40 percent reduction in
nitrogen loads**

Next Steps

- Regional Planning 2027 Status Update
- 2026 Annual Report due April 2027
 - ✓ Compliance Plans
 - ✓ Governance Plans for Multi-Benefit Solutions
 - ✓ Updates on Optimization and Ongoing Projects



Working Together



BACWA
(wastewater utilities)



San Francisco Estuarine Institute
(science)

