



# **2014 PHOSPHORUS REDUCTION SUMMARY**





# 2025

## **Our 2025 Goal**

Is to reduce phosphorus entering our lakes by 50% by 2025.

- reduction of 46,200 lbs of P
- based on 2008 baseline



# 14 Actions

## **Yahara CLEAN Action Plan**

14 specific actions with clear, achievable phosphorus-reduction goals to clean up our lakes.

Annual report tracks reported progress for these 14 actions.



# **14 Actions: Urban Results**

**Urban areas represent 29% of opportunity for reductions in the Yahara CLEAN plan.**

**In 2014, ~ 1,700lbs of P were diverted from the lakes through urban actions  
– 13% of urban goal**



# 14 Actions: Urban Results

## Phosphorus Reduction in All Lakes (lbs)

Urban Actions	GOAL	2014
Improve Leaf Management	4,100	-
Improve Control of Construction Erosion	3,600	420
Maintain Permitted Stormwater Facilities	2,500	-
Stabilize Urban Waterway Facilities	2,100	760
Reduce TSS in Municipal Stormwater	1,100	510
Urban Subtotal	13,400	1,690



# **14 Actions: Rural - Results**

**Around 71% of opportunity for reductions is in agricultural areas**

**In 2014, approximately 5,700lbs of P were diverted from the lakes from agricultural sources – 17% of rural goal**



# 14 Actions: Rural - Results

## Phosphorus Reduction in All Lakes (lbs)

Rural Actions	GOAL	2014
Improve Cropping, Tillage, and In-Field Practices	14,800	2,710
Build Community Digesters	7,700	1,120
Remove Additional P at Digesters	5,100	-
Manage Manure and Nutrients	2,100	1,100
Dredge Drainage Ditches	600	-
Stabilize Rural Waterway Banks	1,000	-
Relocate or Cover Livestock Facilities	600	130
Harvest Wetland Plants	600	-
Promote Restoration of Wetlands	300	690
Rural Subtotal	32,800	5,750



**2014 → 2025**

**2014 brought us 16% of the  
way towards our 2025 goal**



# 2014 → 2025

## **“None Reported”**

- **Action taken prior to 2013 (eg. digester)**
- **Not one of 14 Actions**
- **Lack of confidence in the accuracy of the metric (eg. leaves)**
- **Progress but not ready to report (hires → increased compliance)**



## 2014 → 2025

- **Reporting conservatively – what has come “on-line” in 2014 and been maintained or repeated from 2013**
- **2008-2012 is not yet captured in these numbers**
- **“Delivery factor” (to the lakes) applied to numbers reported by Dane County, municipalities**
- **Only reporting practices that have modeled P-reduction**



# Next Steps

- **Identify assumptions built into metrics**
- **Evaluate current metrics (does it really measure impact?)**
- **Verify assumptions**
- **Improve system for coordinating data, and for tracking & reporting. (We only include what's reported.)**



# QUESTIONS?

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