

# Pollutant Load Reduction Plan

County of El Dorado  
Lake Tahoe Basin  
2013

# NPDES Permit Requirements

- \* Reduce County's baseline pollutant loads by 09/30/2016:
  - \* Fine Sediment Particles – 10%
  - \* Total Nitrogen – 8%
  - \* Total Phosphorus – 7%
- \* Earn 220 Lake Clarity Credits
  - \* 1 Credit = 200 lbs of <16  $\mu\text{m}$  particles

# County's Strategy

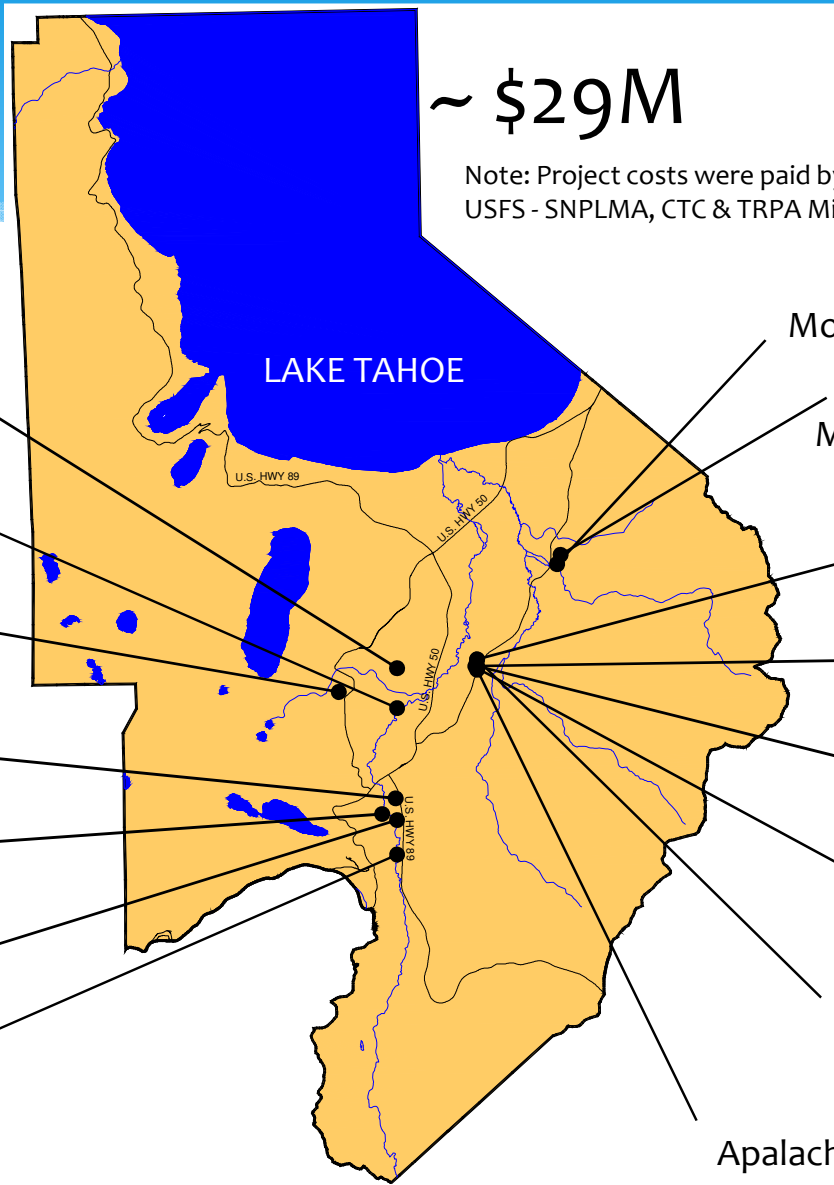
- \* Register Catchments where County Constructed Water Quality Projects between 2004 (baseline) and 2012
- \* Take Credit for Private Property BMPs
- \* Delay Taking Credit for Sweeping and Abrasives until next NPDES Permit term

# Project Costs & Credits

## Water Quality Projects Constructed from 2004 - 2012

Project Name	Job Numbers	Year Constructed	Total Cost	Credits
Apalachee 1	95154	2004	\$3,942,715	23
Apalachee 2	95185	2005	\$3,930,239	31
Apalachee 2A	95182	2006	\$2,098,370	18
Apalachee 3A	95184	2007	\$3,824,913	21
Apalachee 3B	95183	2008	\$2,381,468	16
Apalachee 3B.1	95183.1	2009	\$378,309	2
Christmas Valley 1	95151	2007	\$1,496,301	8
Christmas Valley 2A	95159	2009	\$2,084,937	34
Christmas Valley 2B	95189	2010	\$729,926	15
Christmas Valley 2C	95190	2012	\$548,733	8
Angora 3	95160	2008	\$2,294,552	9
Montgomery Estates 1A	95155	2011	\$1,887,884	20
Montgomery Estates 1B	95193	2012	\$584,982	5
Sawmill 2A	95165	2012	\$2,254,358	31
Echo View	95169	2012	\$692,377	9
<b>Total</b>			<b>\$29,130,064</b>	<b>251</b>

# Water Quality Projects Constructed between 2004 and 2012



~ \$29M

Note: Project costs were paid by grant funds from USFS - SNPLMA, CTC & TRPA Mitigation Funds

- Echo View 2  
9 credits
- Sawmill 2A  
31 credits
- Angora 3  
9 credits
- Christmas Valley 2B  
15 credits
- Christmas Valley 2A  
34 credits
- Christmas Valley 2C  
8 credits
- Christmas Valley 1  
8 credits
- Montgomery Estates 1A  
20 credits
- Montgomery Estates 1B  
5 credits
- Apalachee 1  
23 credits
- Apalachee 2  
31 credits
- Apalachee 2A  
18 credits
- Apalachee 3A  
21 credits
- Apalachee 3B  
16 credits
- Apalachee 3B.1  
2 credits

# Pollutant Load Reduction Plan Schedule

- \* February 26, 2013 – County Board Adoption
- \* March 12, 2013 – Board Authorization to submit PLRP
- \* March 15, 2013 – PLRP due to Lahontan
- \* October 1, 2013 – PLR Progress Report
- \* Water Year 2015 – Register two (2) Catchments
- \* Water Year 2016 – Register three (3) Catchments
- \* June 9, 2016 – Preliminary Updated PLRP
- \* September 30, 2016 – Demonstrate Load Reductions

# Next NPDES Permit (2016-2021)

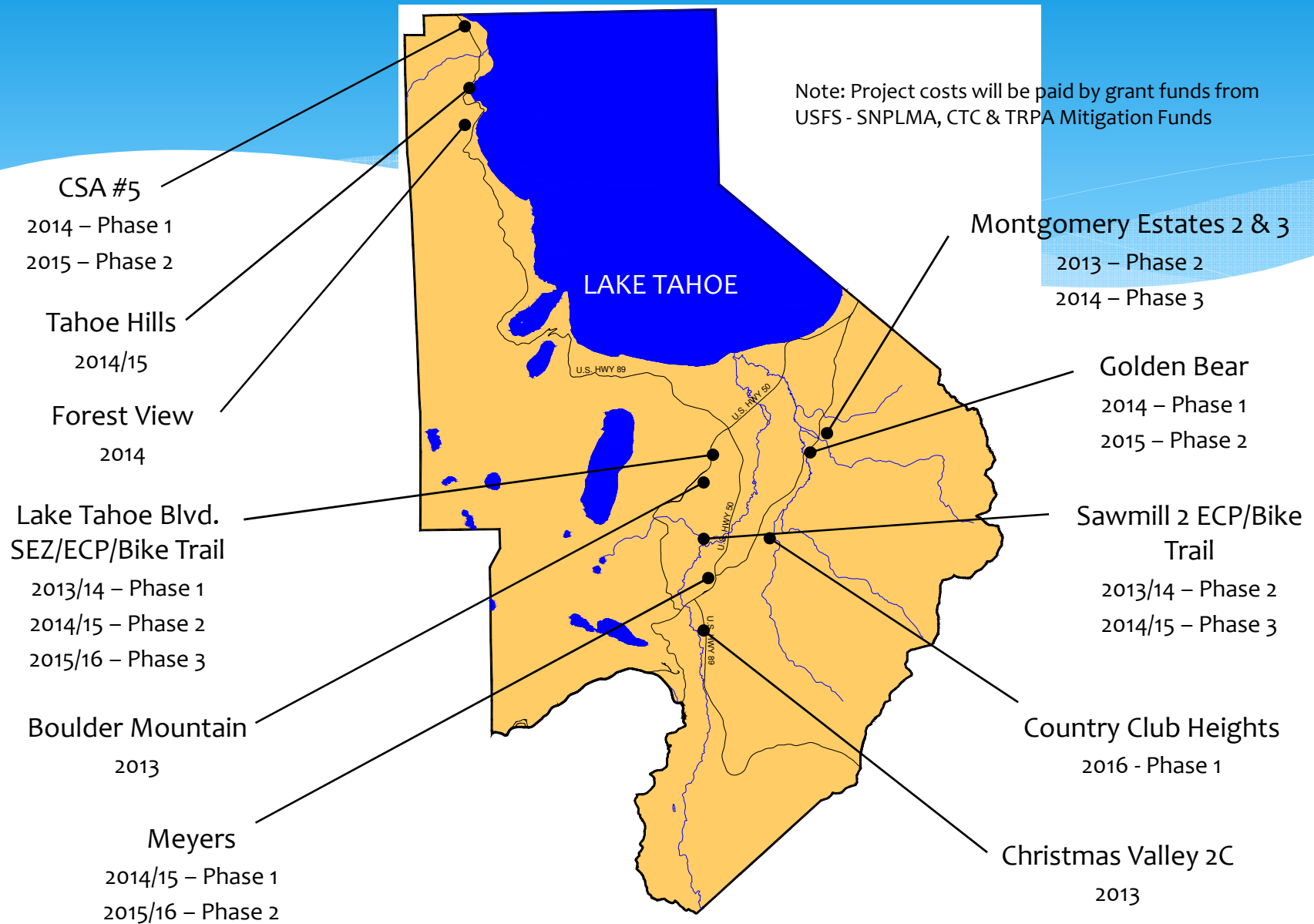
- \* Reduce County's baseline pollutant loads by 2021:
  - \* Fine Sediment Particles – 21%
  - \* Total Nitrogen – 14%
  - \* Total Phosphorus – 14%
- \* Earn 462 Lake Clarity Credits
  - \* 1 Credit = 200 lbs of <16  $\mu\text{m}$  particles

# Strategy for Next NPDES Permit

- \* Construct Water Quality Improvement Projects
- \* Enhance Sweeping Program
- \* Continue with Advanced Abrasives Strategies
- \* Take Credit for Private Property BMPs



# Proposed Water Quality Projects To Be Constructed between 2013 and 2016



# Questions?

