

Snow Removal Equipment Status Report

Tahoe Basin - County Service Area 3

South Shore and West Shore Snow Removal

Zones of Benefit



**COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION
MAINTENANCE AND OPERATIONS
FEBRUARY 10, 2015
LEGISTAR #15-0003**

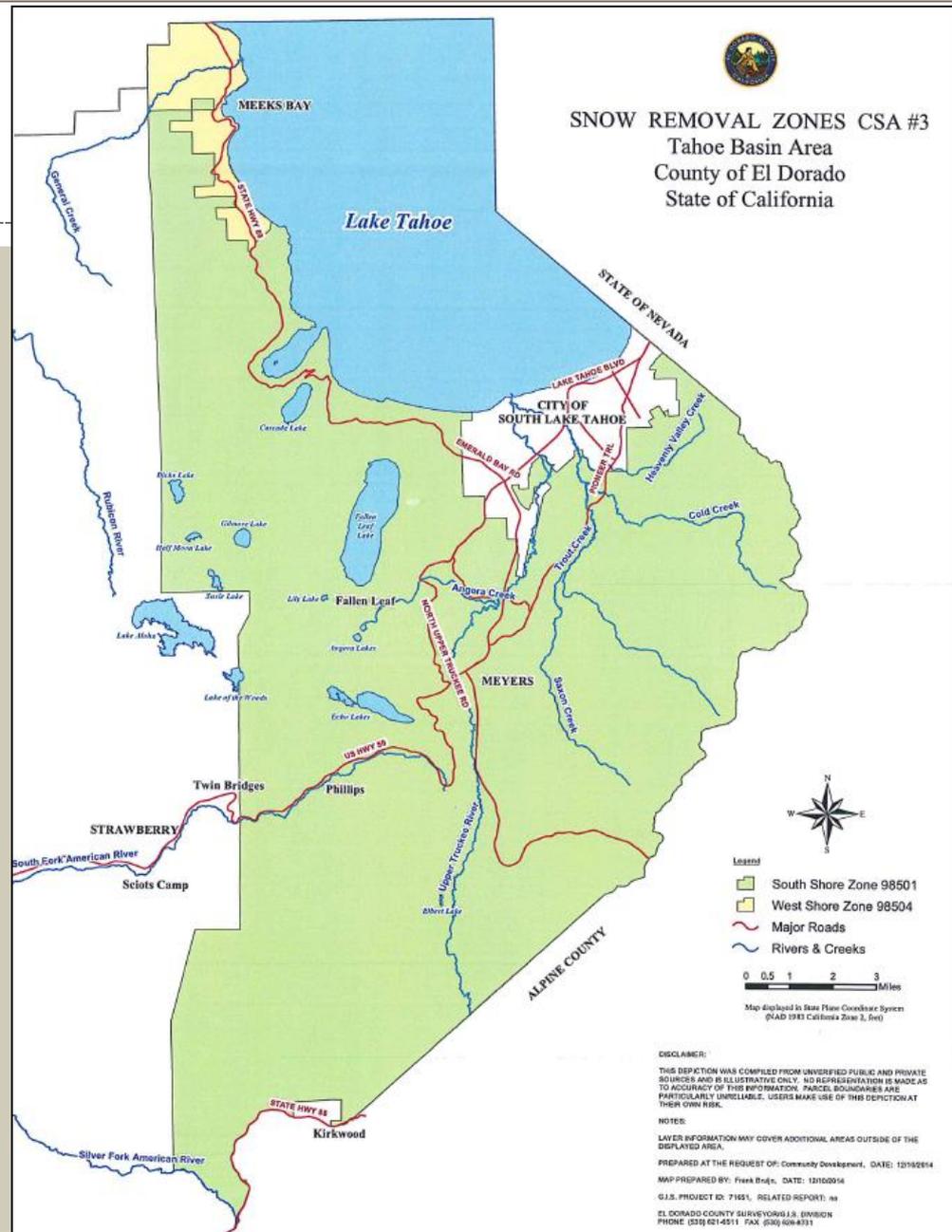
Agenda



- What are the CSA Snow Removal Zones
- Snow Removal Equipment and Status by Areas
- Funding versus Equipment Costs
- Recommendation

What are the Snow Removal Zones of Benefit?

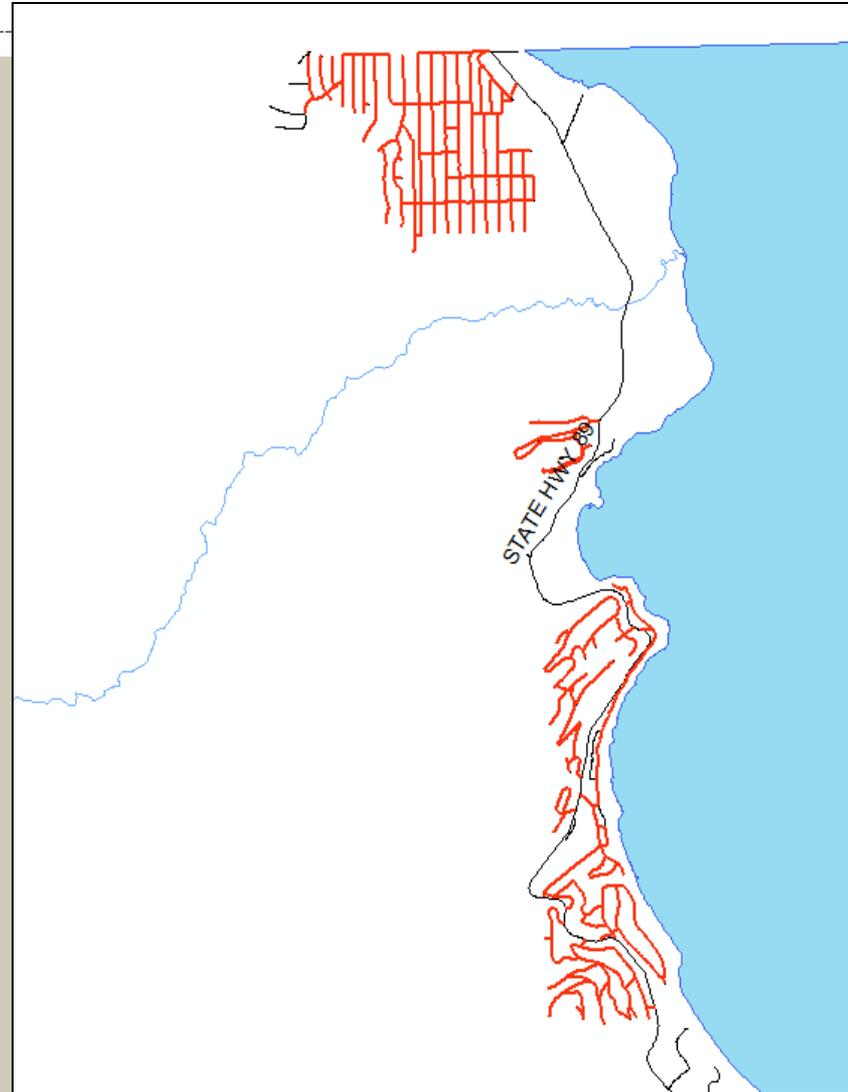
- County Service Area 3 (CSA 3)
- West Shore (Yellow)
- South Shore (Green)



West Shore Zone Map

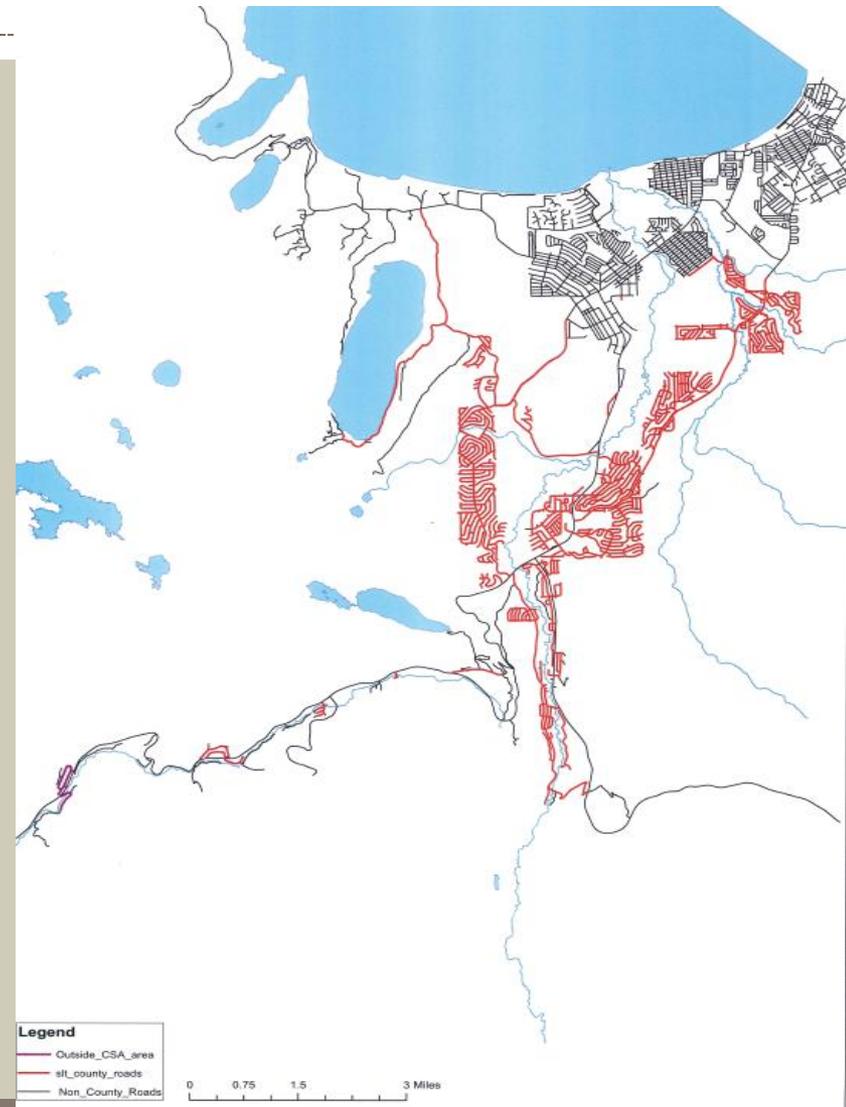


- West Shore Zone encompasses 24 centerline miles of road.
- In 1993, property owners requested to increase their assessment from \$20 to \$50 for the purpose of providing the newest possible equipment.



South Shore Zone Map

- South Shore Zone encompasses 126 centerline miles of road, divided into 8 snow removal areas.



Snow Removal Equipment – Motor Graders



Snow Removal Equipment Rotary Snow Plow



Snow Removal Equipment 4X4 Dump Trucks with attached Plows and Sand Spreaders



West Shore Zone Equipment Status



Equipment	Primary Use	Replacement Criteria	Equipment Funded by ZOB	Equipment Funded by Road Fund	Current Equipment Ages
Motor Grader	All Roadways	7 - 10	2		2014 (Brand New)
Motor Grader (backup)	All Roadways	Always Older Machines		1	1992 (23 Years)
Rotary Snow Plow	Widen after Plows	25	2		1994 (21 Years) 2003 (12 Years)
Dump Truck Plow & Sander	Plow & Ice Control on Mains	15 - 20		1	2003 (12 Years)

South Shore Zone Equipment Status



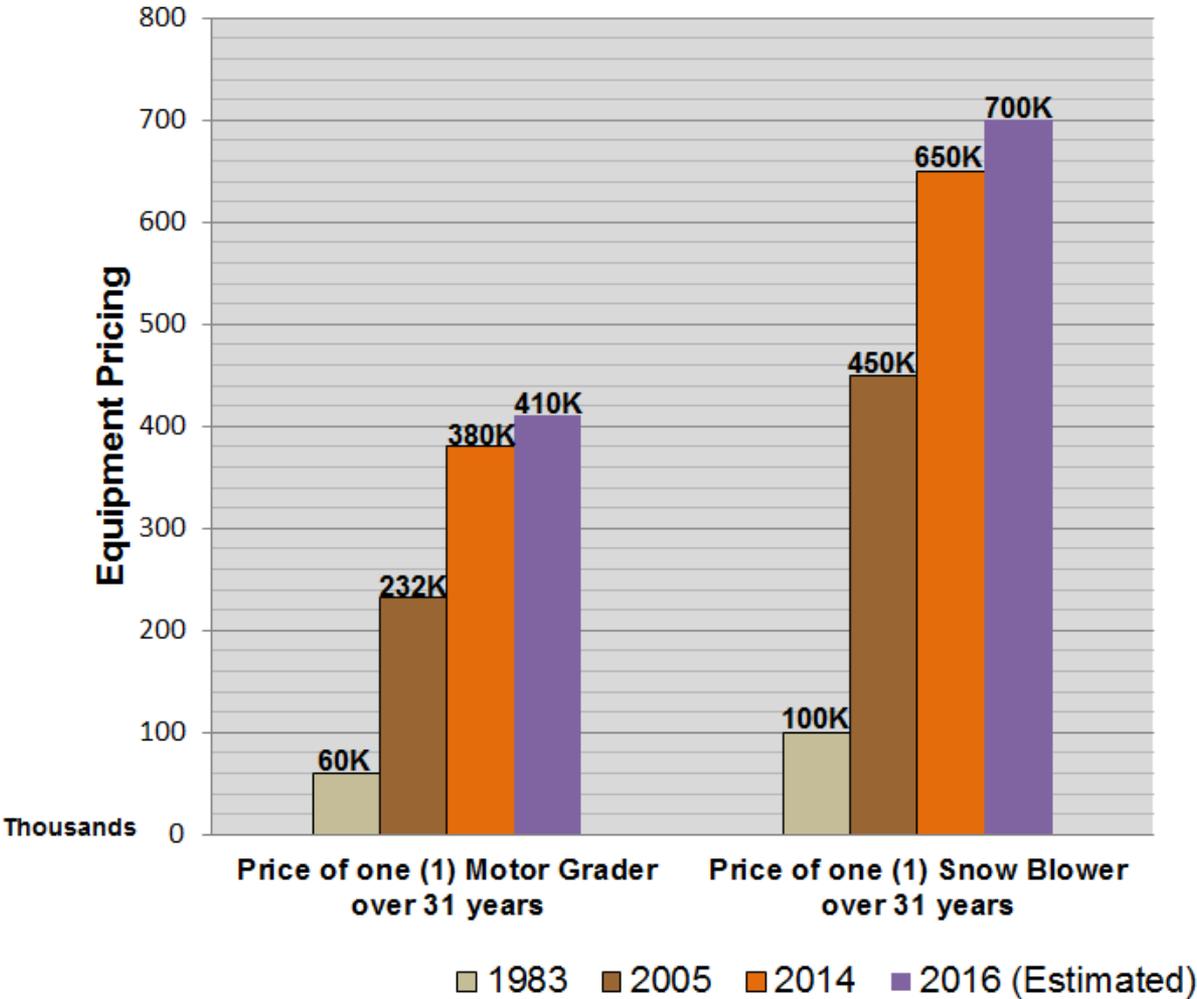
Equipment	Primary Use	Max Years	Equipment Funded by ZOB	Equipment Funded by Road Fund	Current Equipment Ages	Due for Replacement
Motor Grader	Residential Roadways	7 – 10	8		2005 (10 Years)	2015/2016
Motor Grader (backup)	Residential Roadways	Always Older Machines		1	1990 (25 Years)	
Rotary Snow Plow	Widen After Plows	25	1	5	1970 (45 Years) 1971 (44 Years) 1974 (41 Years) 1975 (40 Years) 1979 (36 Years) 1986 (29 Years)	Now
Dump Truck Plow & Sander	Main Roads	15 – 20		2	1996 (18 Years) 2000 (14 Years)	2016/2017

Replacement Criteria



- Reliability and Safety
- Ability and Cost of Repair
 - Obsolete or Discontinued Parts
 - ✦ Axles
 - General Maintenance
- Because of the Age of our Fleet Maintenance is Expensive

Escalating Price of Equipment

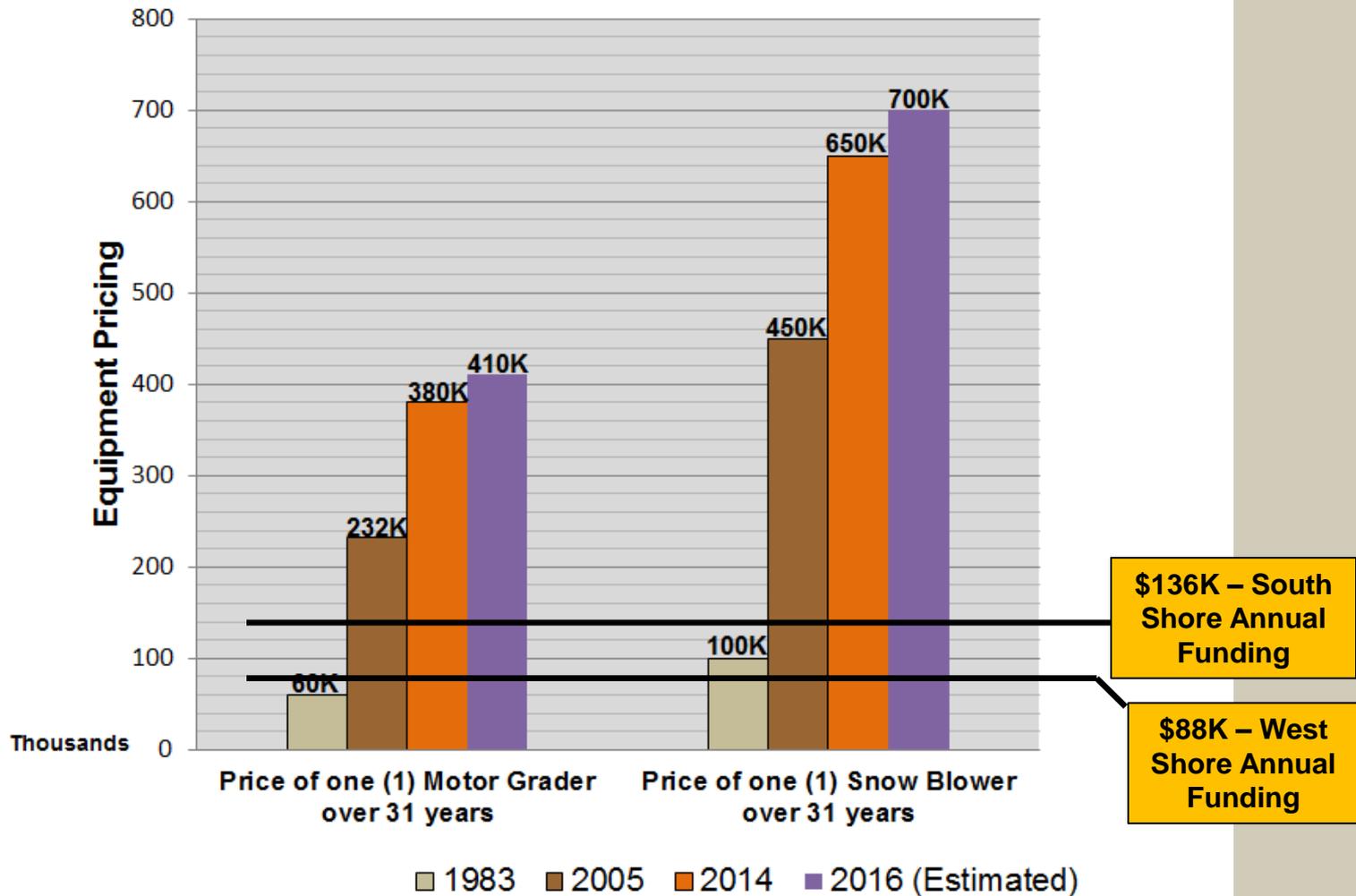


Snow Removal Zones Funding Breakdown

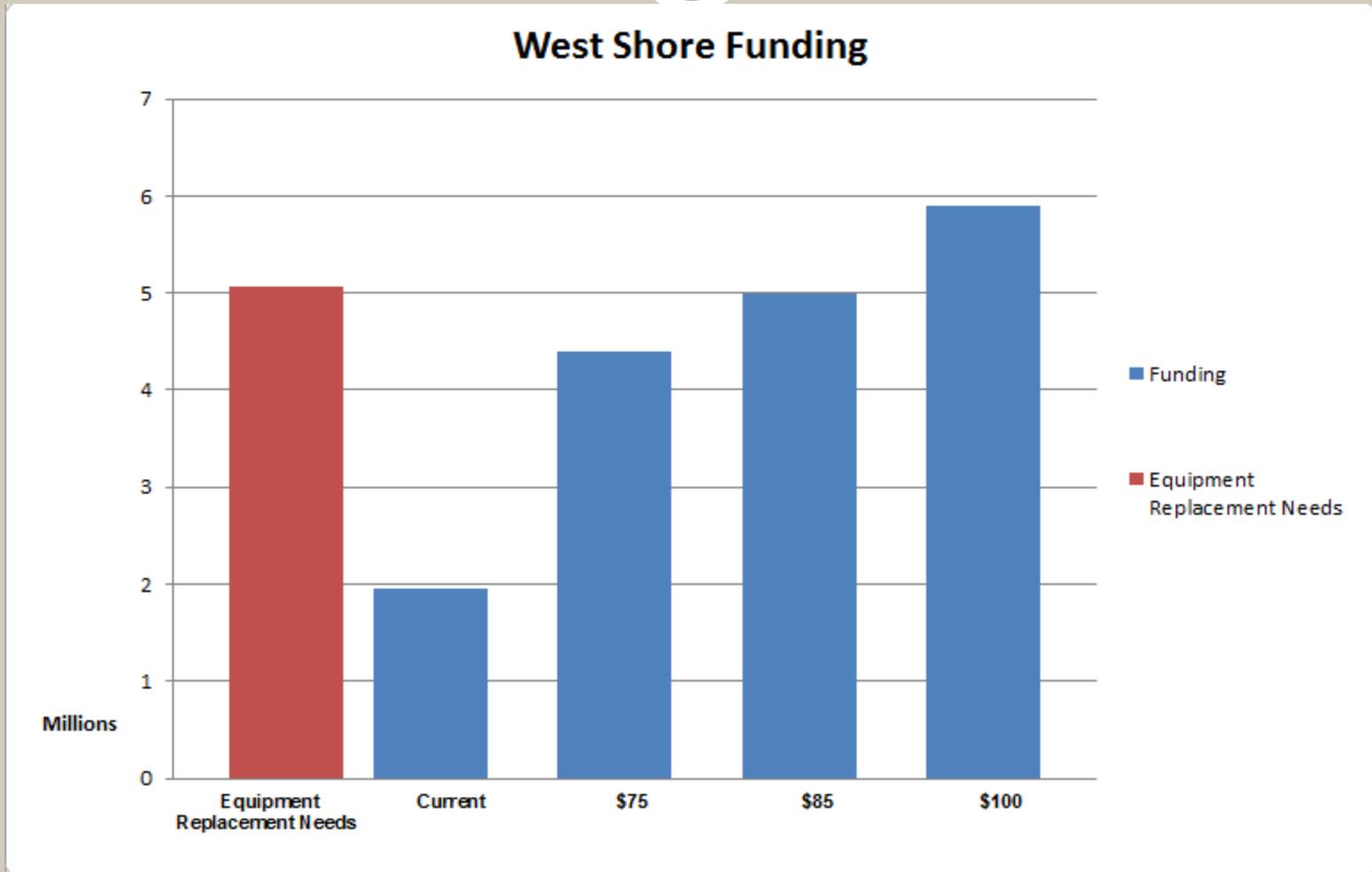


Snow Removal Zone	Assessment per Parcel	Total Annual Income (gross)
South Shore	\$20.00 / Year	~ \$136,000
West Shore	\$50.00 / Year	~ \$88,000

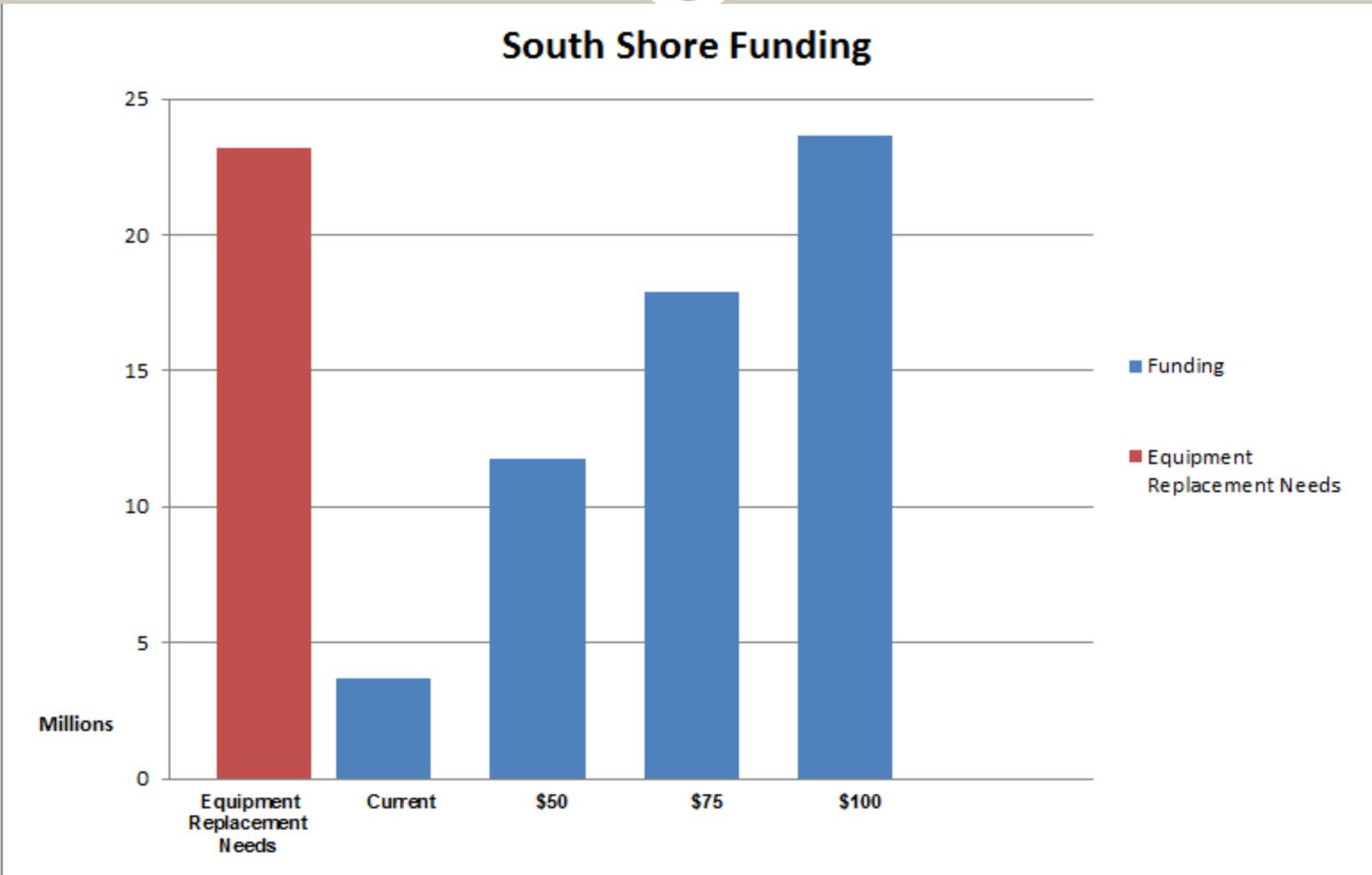
Current ZOB Funding vs Price of Equipment



West Shore Funding



South Shore Funding



What Happens When Something Breaks Down



- **Equipment Breaks Down**
- **No Parts Available - Equipment Inoperable**
 - Equipment not available for an extended period - season
- **Snow Route/Neighborhood not Plowed**
 - Until another piece of equipment is available
- **Delays in Essential Services**
 - Police
 - Fire
 - Ambulance
 - Daily public activities

Rotary Snow Plow



Recommendation



- Allow staff to explore the feasibility of a ballot measure.
- Direct staff to return at a later date with more detailed information and funding options.