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- Mounting challenges exist
- Imminent system failures anticipated
- Funding and resources have improved but massive funding gap remains
- Dedicated funding source imperative
- Ongoing education and engagement is essential



Underfunding Stormwater has Serious Consequences That Will Only get Worse

- Livability of San Diego declining
- Polluted, unsafe water is harmful
- Closed beaches impact residents & tourists
- Lost opportunity to capture water for drought preparedness
- Fines, claims, litigation
- Clean Water Act Violations





Challenges and needs continue to increase

- A changing climate, with longer periods of drought, impacts of fires, and more extreme rainfall
- Aging and failing infrastructure
- Urbanization
- Clean Water Act requirements





Stormwater Failures are Impacting Livability

- 2,000+ known pipe failures
- 3 pump stations with critical infrastructure needs
 - 2 in Mission Beach
 - 1 in Midway-Pacific Highway
- Active emergencies require defunding planned projects





Flooding Causes Unsafe Conditions and Often Causes Significant Damage to Property

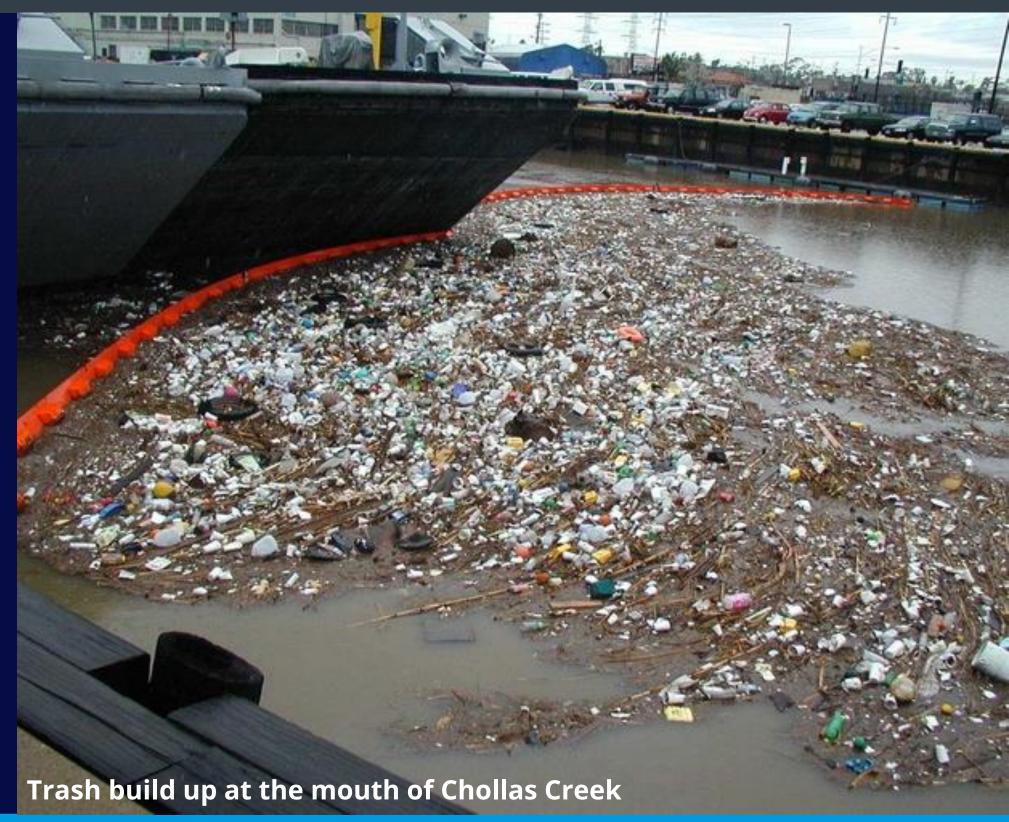
- Many areas unable to manage flooding
- Known
 vulnerabilities
 pushed to failures
- Mudslides, erosion, sinkholes are concerns





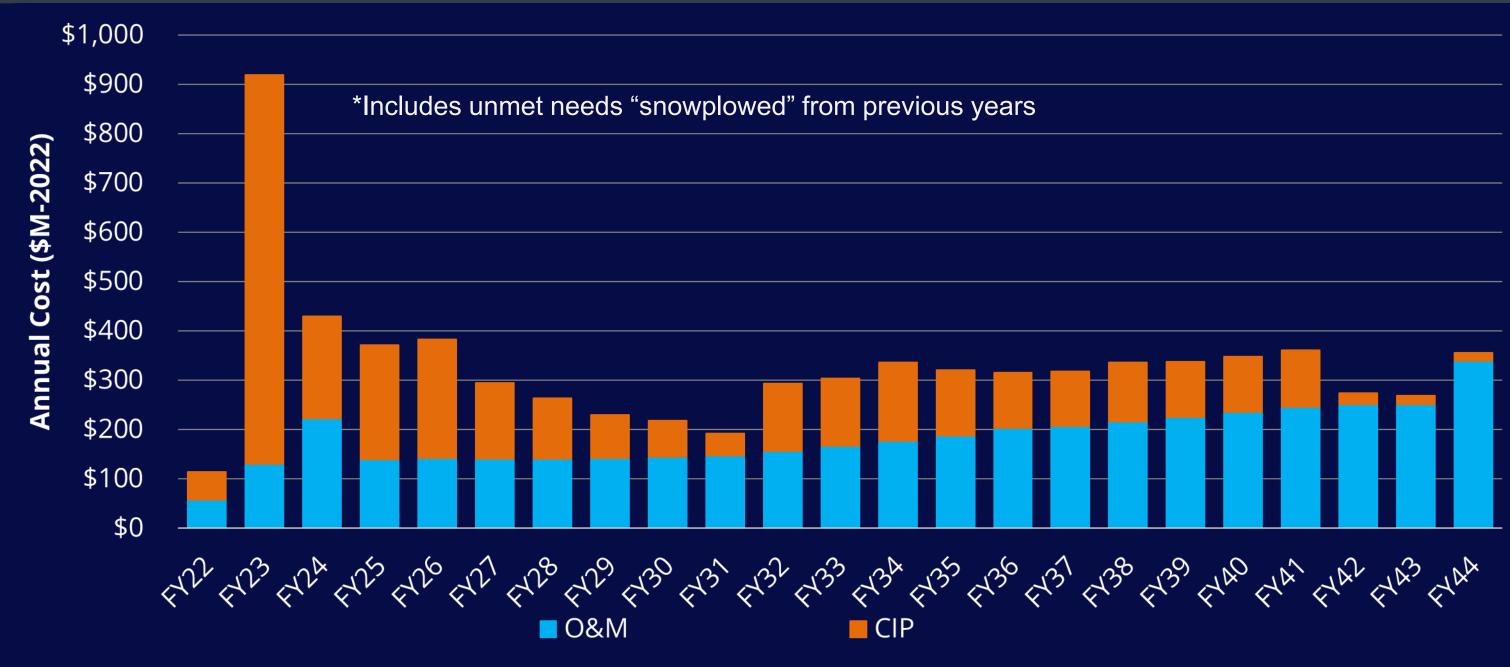
Failure to Meet Clean Water Act Significantly Impacts Public Health & Environment

- >99% of system goes to a degraded water source
 - 101 impairments
- Major deadlines missed in April 2021
- 586 beach advisories & 55 beach closures per year (on average)





Funding Needs Continue to Grow at a Rapid Rate



> Average Annual Funding Gap of \$274M



FY2023 funding and resources have improved, but funding gap and backlog remain

- \$72.2 M operating budget
- \$28.1 M capital improvement program budget





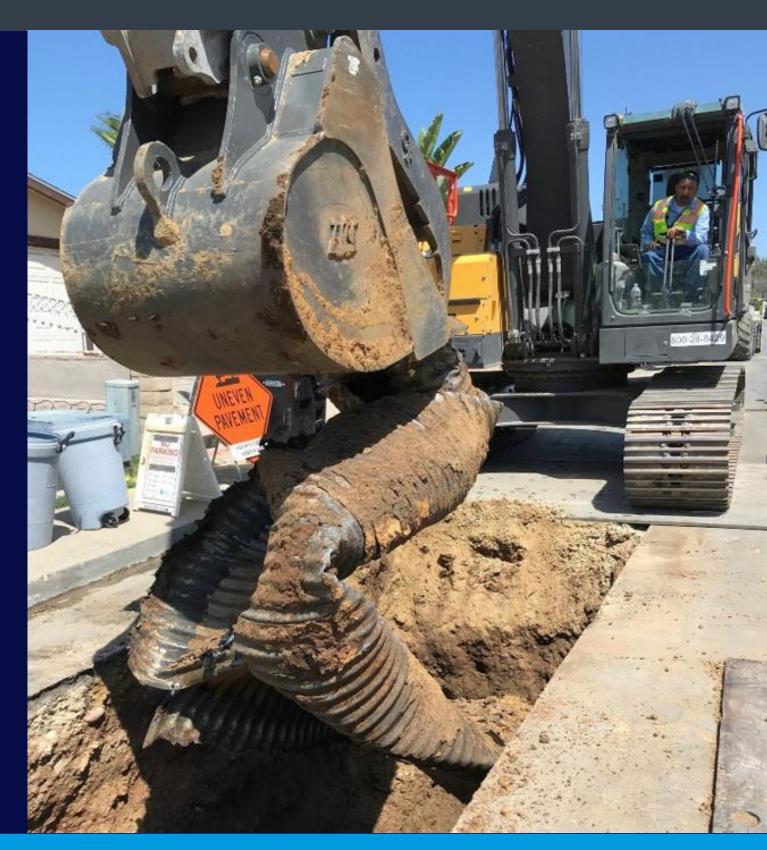
Near-term Funding and Financing Options





WIFIA will fund essential upgrades to chronically underfunded projects and programs

- \$733 million total funding
 - \$551.9 to fix failing infrastructure (corrugated metal pipes)
 - \$54.5 million pump station and other stormwater feature upgrades
 - \$35.9 million for green infrastructure
 - \$90.8 million for restoration and revitalization projects





Unfortunately, WIFIA will <u>not</u> fund other underfunded essential projects and services

- Operations and maintenance activities
- Water quality programs (monitoring, inspections, source control, street sweeping, etc.)
- Water quality improvement projects
- Stormwater harvesting







A Thorough Funding Measure has Many Complimentary Components





Funding Measure Considerations: Program Goals





SAFEGUARD FROM FLOODING





Funding Measure Considerations: Program Goals



MODERNIZE INFRASTRUCTURE



REVITALIZE OUR WATERWAYS



CAPTURE STORMWATER FOR LOCAL SUPPLY



Funding Measure Program Design Elements: What Could the Potential Measure Fund?

- Capital Investments
- Operations & Maintenance
- Compliance Planning
- Debt & Issuance of Bonds
- Administration





Funding Measure Program Design Elements: What Could the Potential Measure Fund?

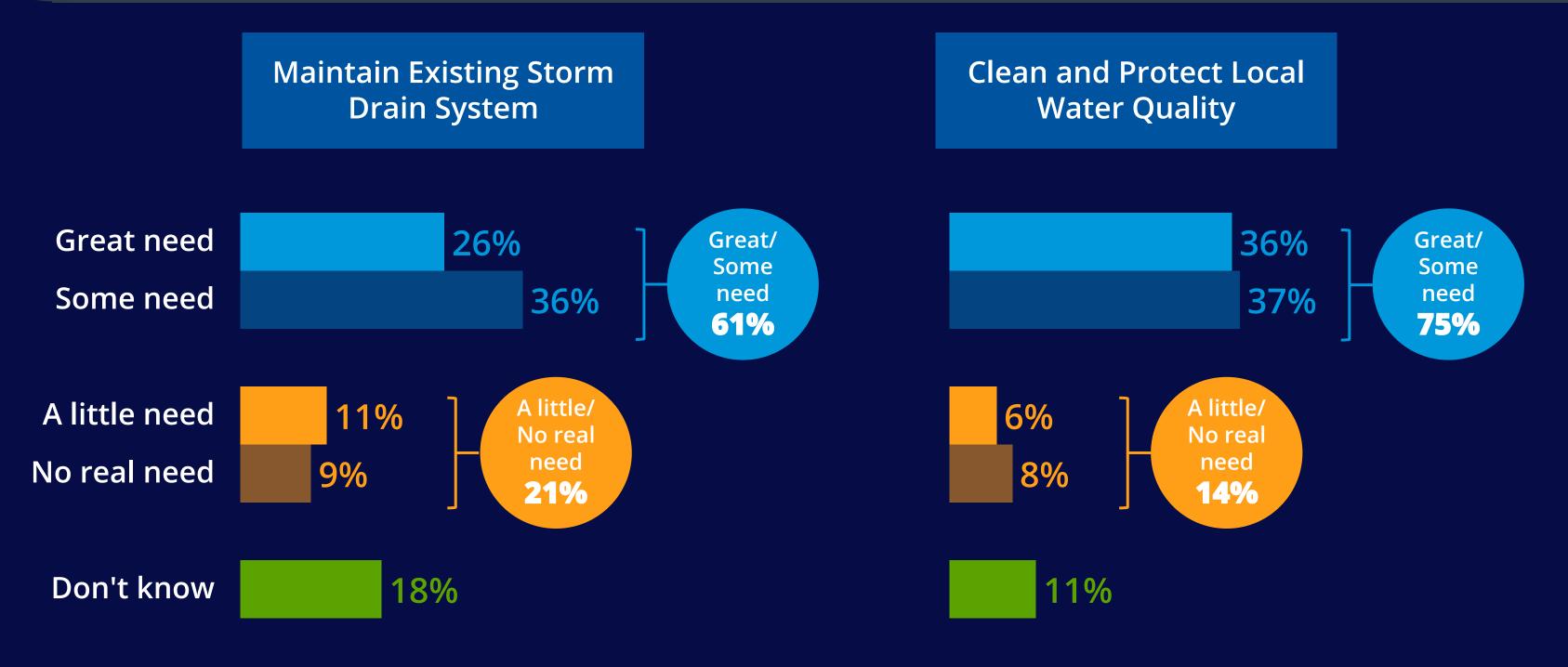


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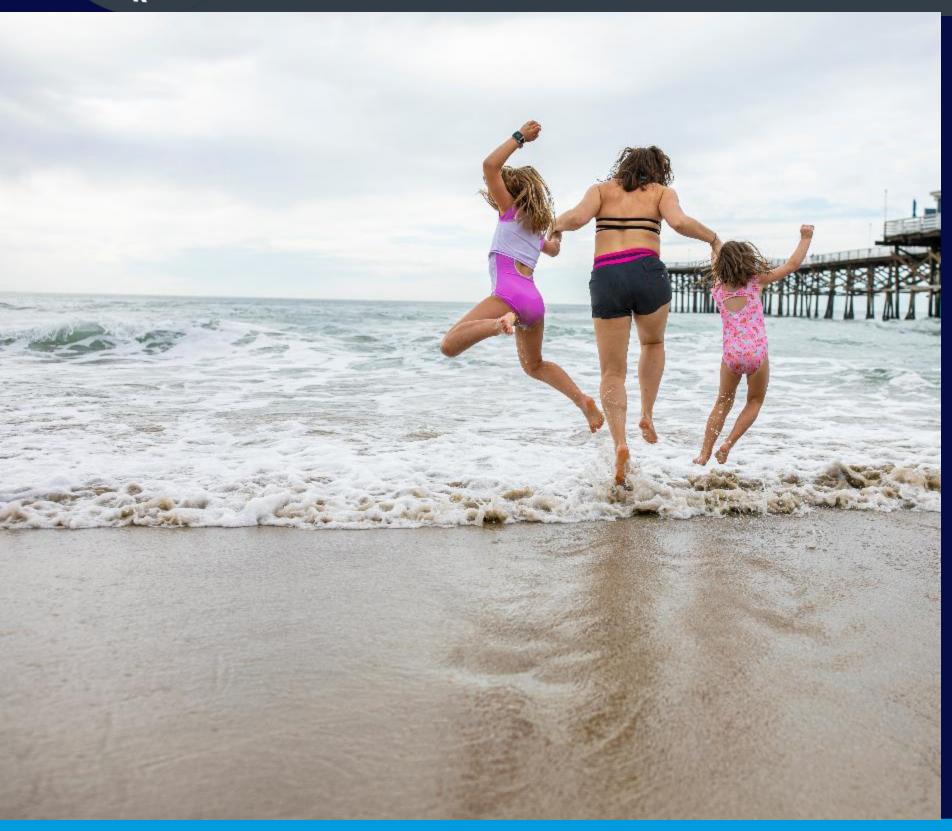
There is a strong perceived need for additional stormwater funding



December 2020 Survey



San Diegans value the outcomes that could be achieved by funding stormwater

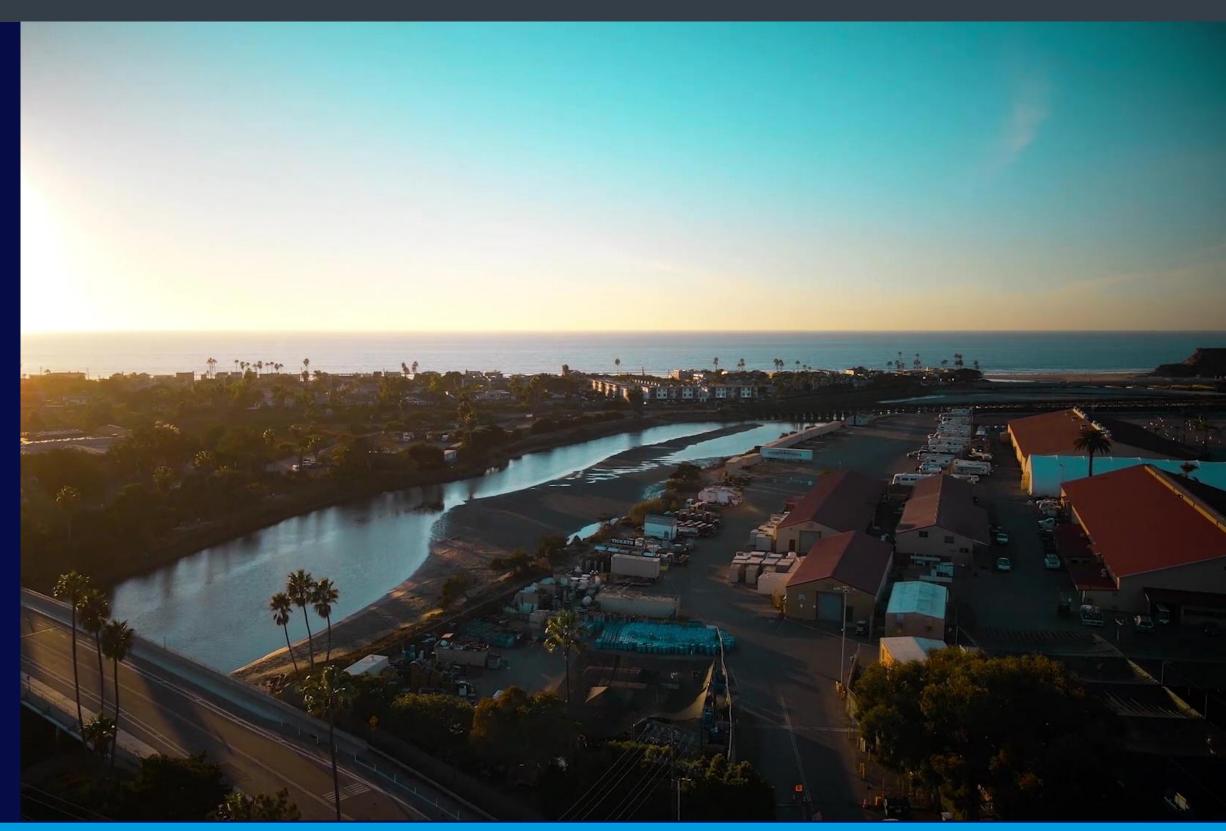


- Improving and protecting water quality
- Protecting Marine Life
- Reducing trash and pollution
- Capturing stormwater for use
- Preventing flooding
- Preventing damage from failed stormwater infrastructure



Various Funding Mechanism Scenarios Tested

- Impermeable area (per square foot) and property type (flat rate per parcel)
- Variable rates amounts
- Typical ratepayer impacts and estimated revenue estimated for each scenario





Impermeable area recommended as the basis for a stormwater funding measure

- Impermeable area perceived as more equitable
 - Cents per square foot
 - New Citywide dataset collected (March 2021)
- Impermeable area is most common basis for stormwater charges nationwide



Impermeable Area Example (Demonstration Purposes)

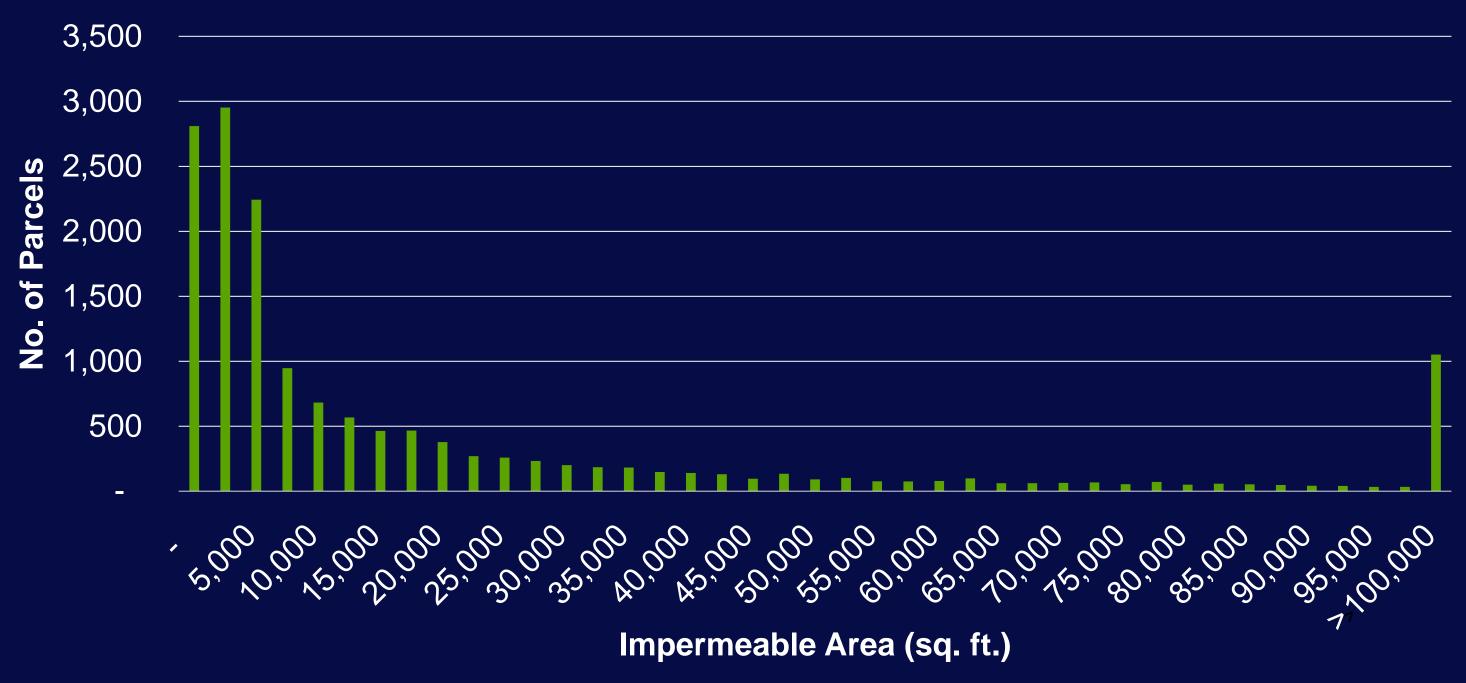


Impermeable Area Funding Mechanism Scenarios Tested

Rate Basis Tested in	Typical Single-Family Residential Bill		Commercial/ Industrial	Estimated Annual Revenue
Surveys	Median Annual	Median Monthly	Bill	Generated (\$M)
\$0.04 per SF	\$128	\$10.67	See Next Slide Non-residential ratepayer impacts vary widely based on parcel-specific impermeable area	~\$74 M
\$0.045 per SF	\$144	\$12.00		~\$83 M
\$0.05 per SF	\$160	\$13.33		~\$93 M



Commercial/industrial ratepayer impacts vary widely based on impermeable area



Example: Parcel with 5,000 sq-ft impermeable area at rate of 4 cents per sq-ft impermeable area 5,000 st-ft * \$0.04 per sq-ft = **\$200 per year**



Ongoing education and engagement for stormwater is essential

- Stormwater issues and services are not well understood, but the outcomes are valued
- Ongoing education & engagement continuing through Think Blue San Diego





Ongoing education, outreach and engagement

- FY22 Highlights
 - Relaunch of Think Blue San Diego, including new website and foundational campaign "We All Think Blue"
 - 4,100 radio/TV PDAs with 6.6 million impressions
 - Social media, print, billboard with 12 million impressions
- FY23 Lookahead
 - Continue consistent communications efforts
 - Target new partnerships, hard to reach communities





Moving Forward

- Responsibilities continue to expand
- SWD addressing critical needs and continues to innovate and improve delivery of other key services
- WIFIA loan a great success/huge infusion of resources
- Other program areas still significantly underfunded
- Continued coordination with Mayor, City Councilmembers, and key stakeholders on future dedicated funding measure



