

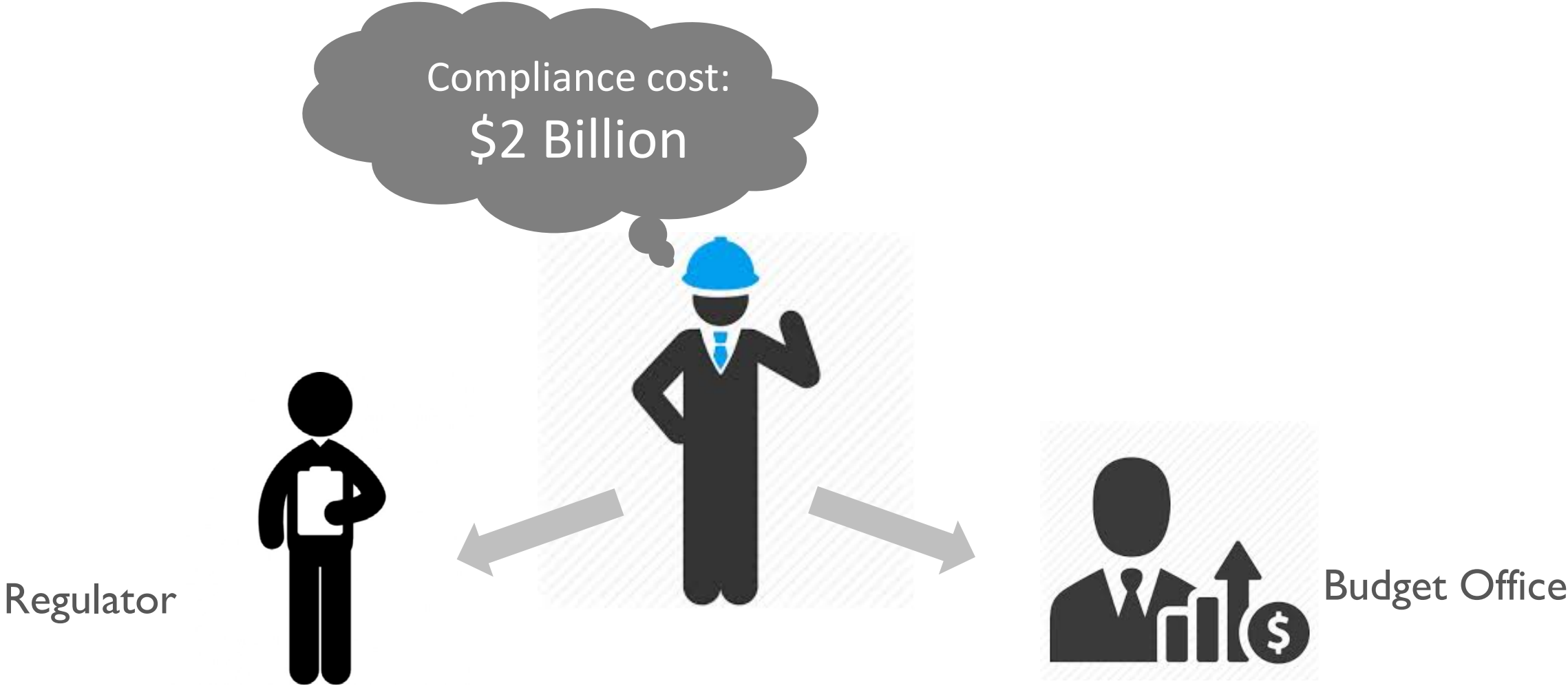
# Estimating Stormwater Program Costs & Benefits

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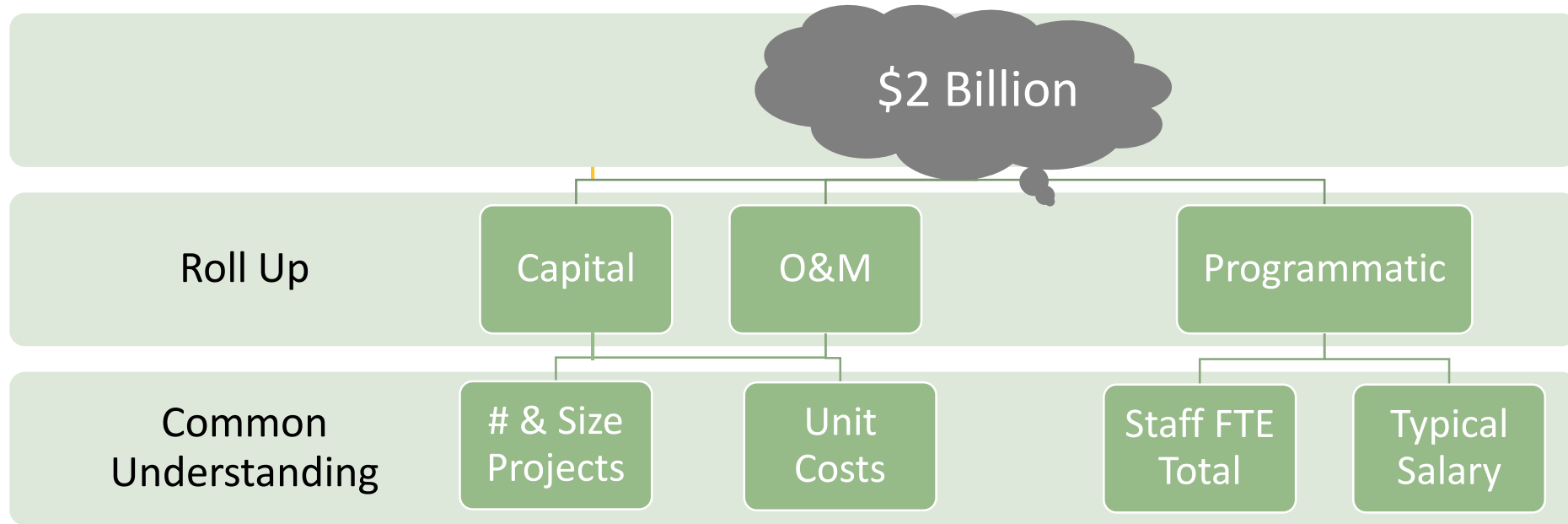
# THE PROGRAM MANAGER'S CHALLENGE



# PROVIDING BEST PRACTICES



# BEST PRACTICE: TRANSPARENCY



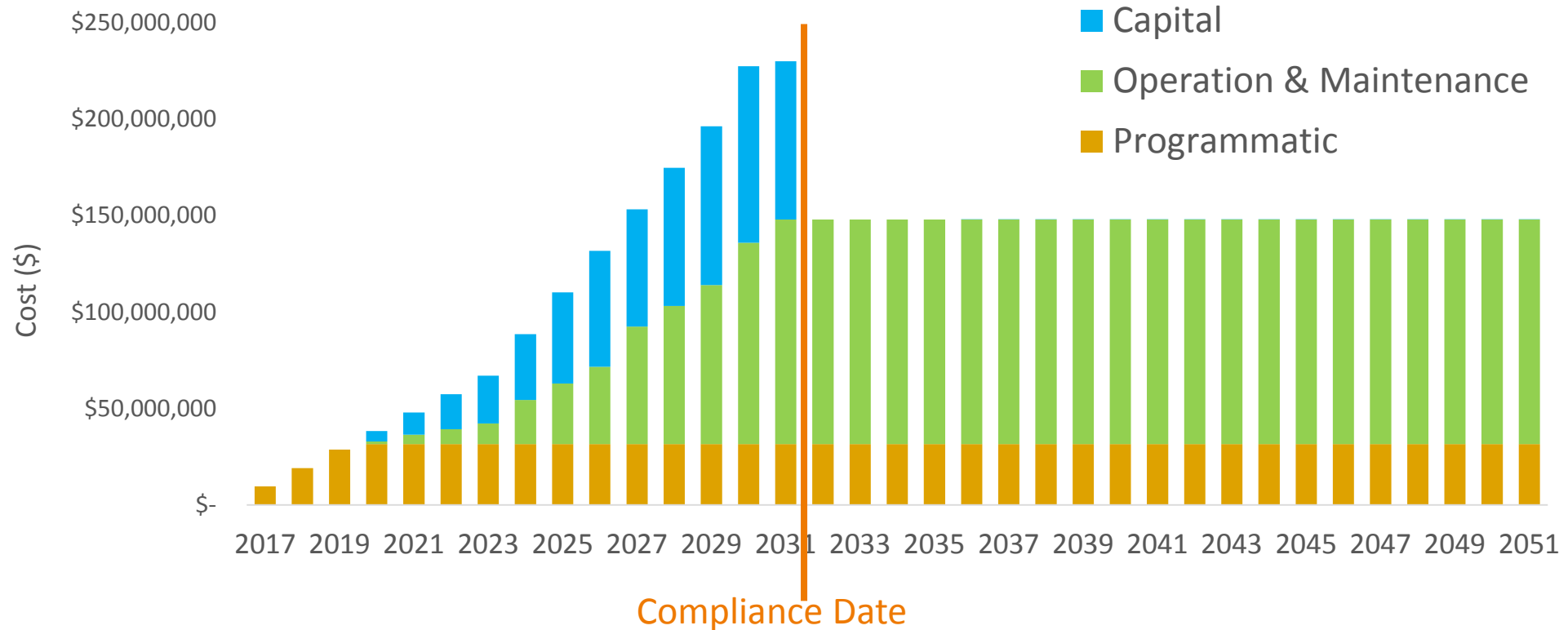
- Disaggregate to points of common understanding
- Roll up – particularly if very detailed or proprietary
- Describe sensitive assumptions

# BEST PRACTICE: SEPARATION

- Be clear: what costs are included?
  - Land costs – often not included, BUT...
- Separate existing costs from new costs

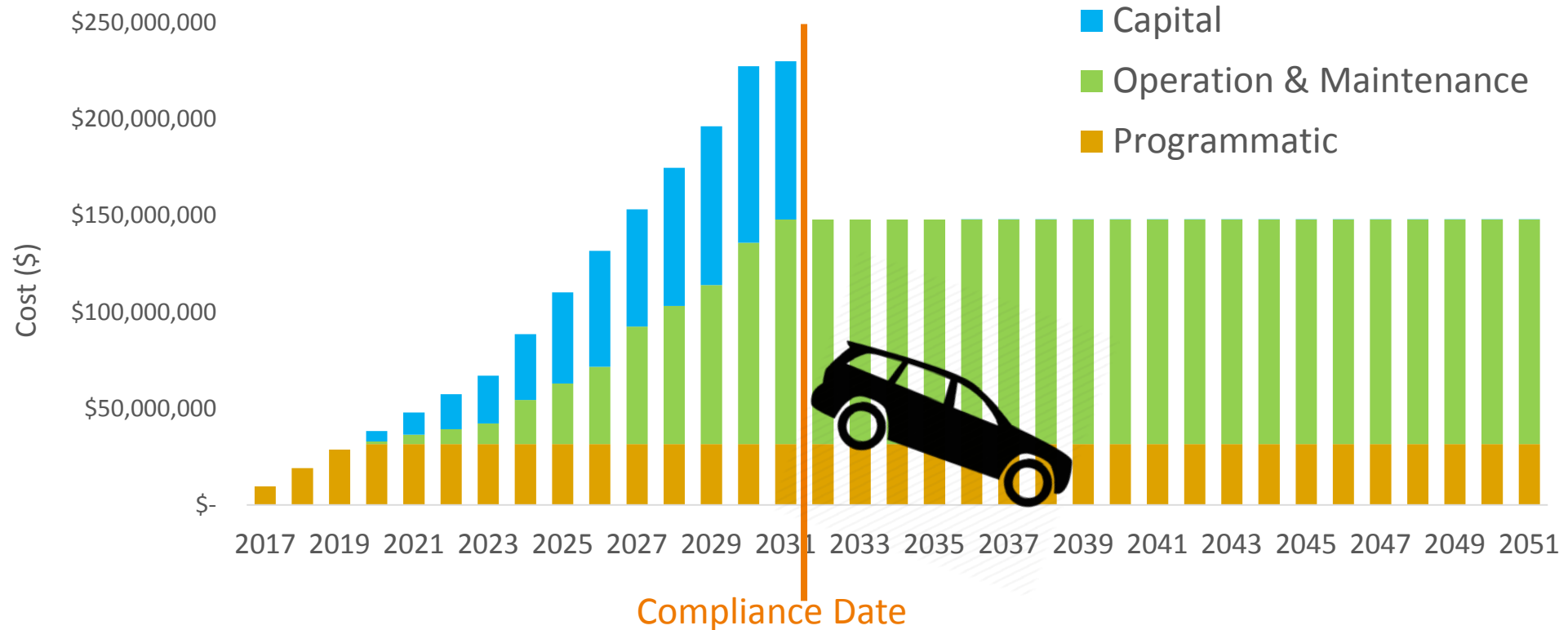


# BEST PRACTICE: TIMING & COMMITMENT



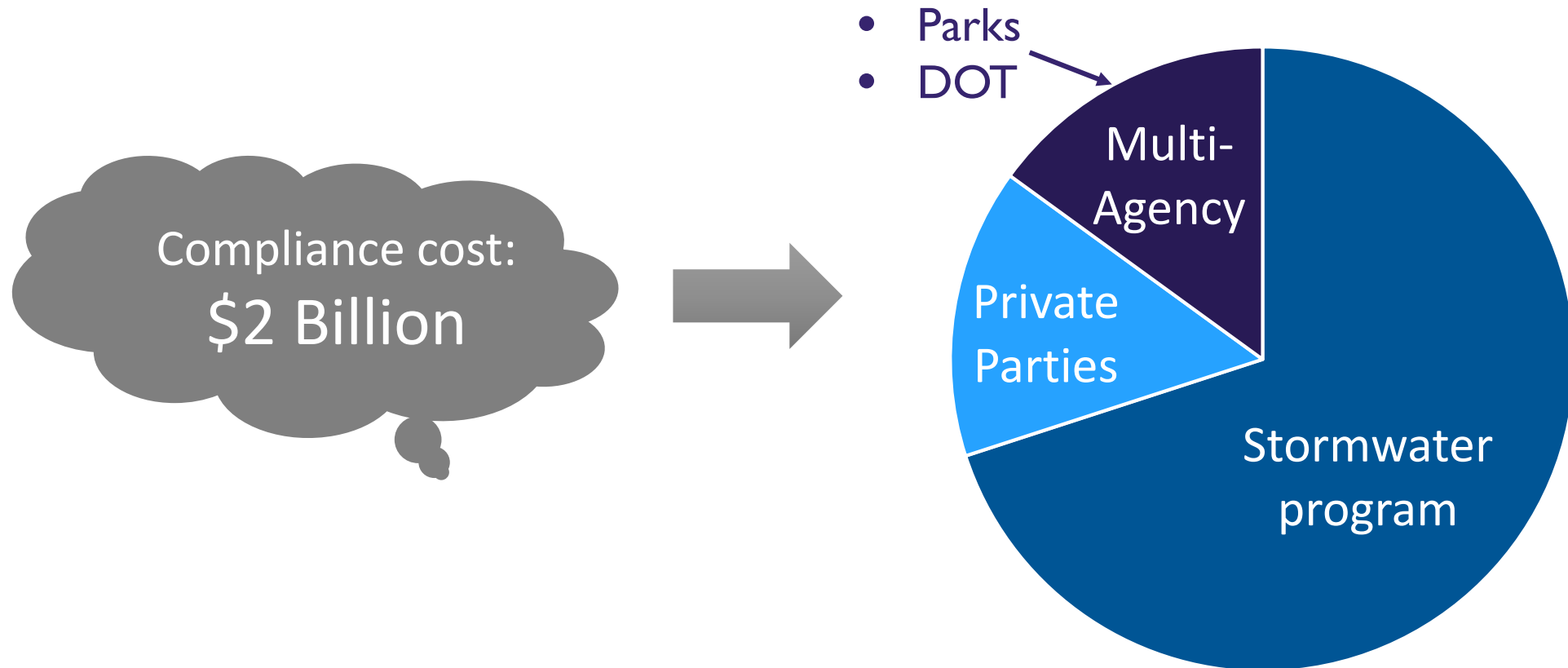
- Define one-time vs. ongoing costs
- Annualize costs

# BEST PRACTICE: TIMING & COMMITMENT



- Define one-time vs. ongoing costs
- Annualize costs

# COST ALLOCATION FRAMEWORK



- The stormwater responsibility can shrink
- Multi-benefit quantification can justify allocations



# BENEFITS ESTIMATION: MULTI-BENEFIT PROJECTS

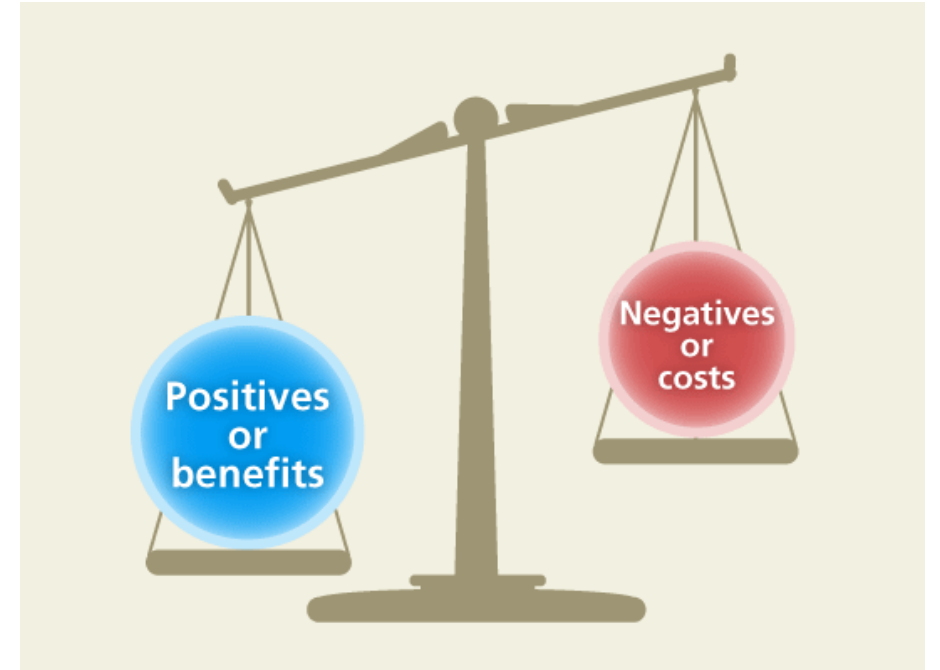
- **What:** defining metrics to demonstrate broad worth of projects
- **Who:** Program managers – know the stormwater field & projects
- **When:** Cost-effectiveness improvements are needed
  - To engage funding partners



**Advice: Select just a few metrics & watch out for the valuation trap**

# BENEFITS ESTIMATION: COST-BENEFIT ANALYSIS

- **What:** Comparison of total costs and benefits to inform a decision
- **Who:** Economists can value benefits – but not provide WQ inputs
- **When:** Selecting among strategy options
  - Talking to budget office
  - NOT when requesting compliance relief



**Advice: Be ready for costs to be greater than benefits**

# Contact

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