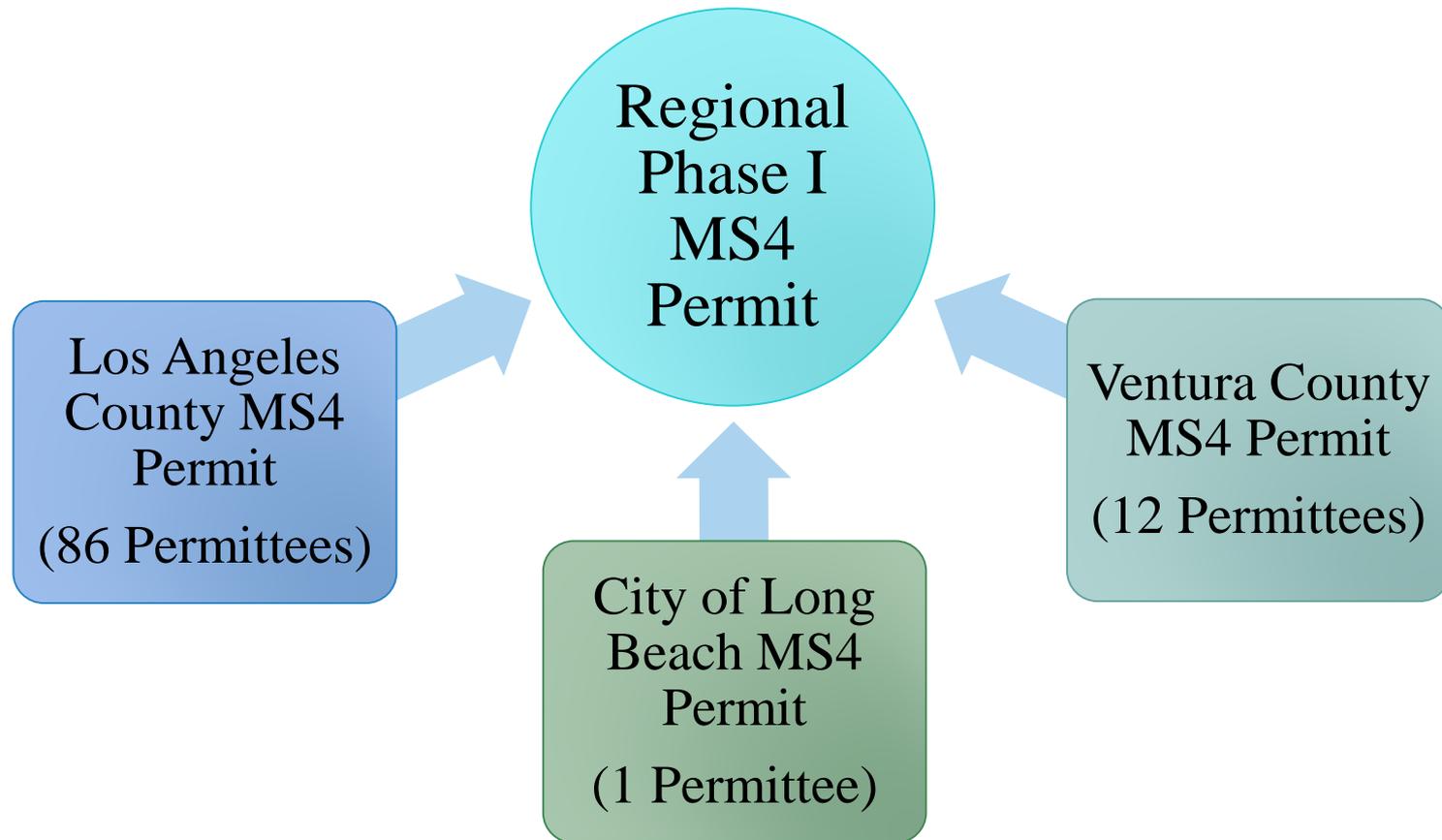
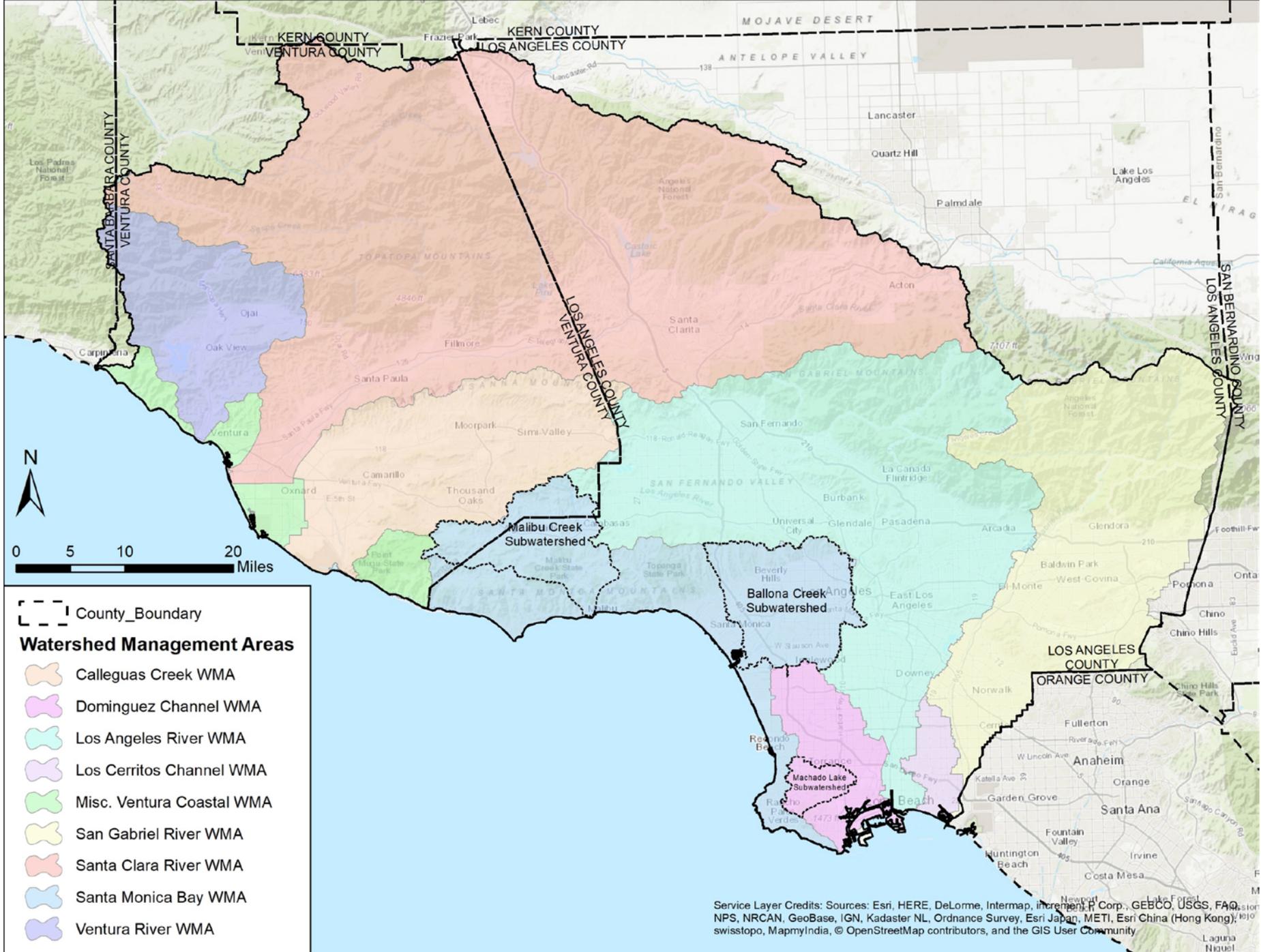


Regional Phase I MS4 Permit Issuance Workshop # 4

Implementation Costs and
Funding Strategies
Item # 14
April 11, 2019

Regional Phase I MS4 Permit

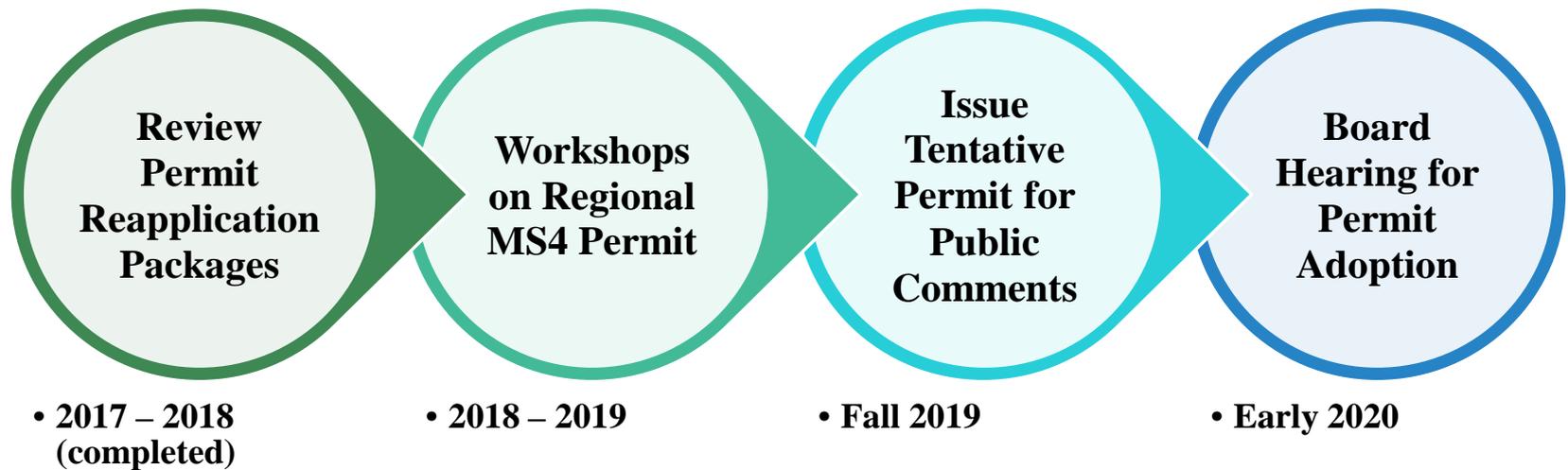




-  County_Boundary
- Watershed Management Areas**
-  Calleguas Creek WMA
-  Dominguez Channel WMA
-  Los Angeles River WMA
-  Los Cerritos Channel WMA
-  Misc. Ventura Coastal WMA
-  San Gabriel River WMA
-  Santa Clara River WMA
-  Santa Monica Bay WMA
-  Ventura River WMA

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Anticipated Permit Process Timeline





New/revise TMDLs since the issuance of the previous permits



Statewide Trash Amendment provisions



Provide Ventura County MS4 permittees the option to develop a Watershed Management Program

Proposed Requirements in the Regional Phase I MS4 Permit



Submit monitoring data to the California Environmental Data Exchange Network (CEDEN).



Reporting requirements will clearly define reporting periods.



Direction on cost tracking and reporting.



Annual Report Form as an Attachment

Proposed Requirements in the Regional Phase I MS4 Permit

Adoption of
TMDL
implementation
schedules

Development of
Watershed
Management
Program
Provisions

Time Schedule
Orders (TSOs)

Approval of
Watershed
Management
Programs

Board's Cost
Considerations

State Funding Sources

Funding Source	# of Projects	\$ Awarded (million)
Proposition 1	12	42.5
Proposition 40	1	1
Proposition 50	1	1.3
Proposition 84	13	20
Clean Beach Initiative	3	4
Caltrans	5	78
Total	35	146.8

LA County Cost Analysis

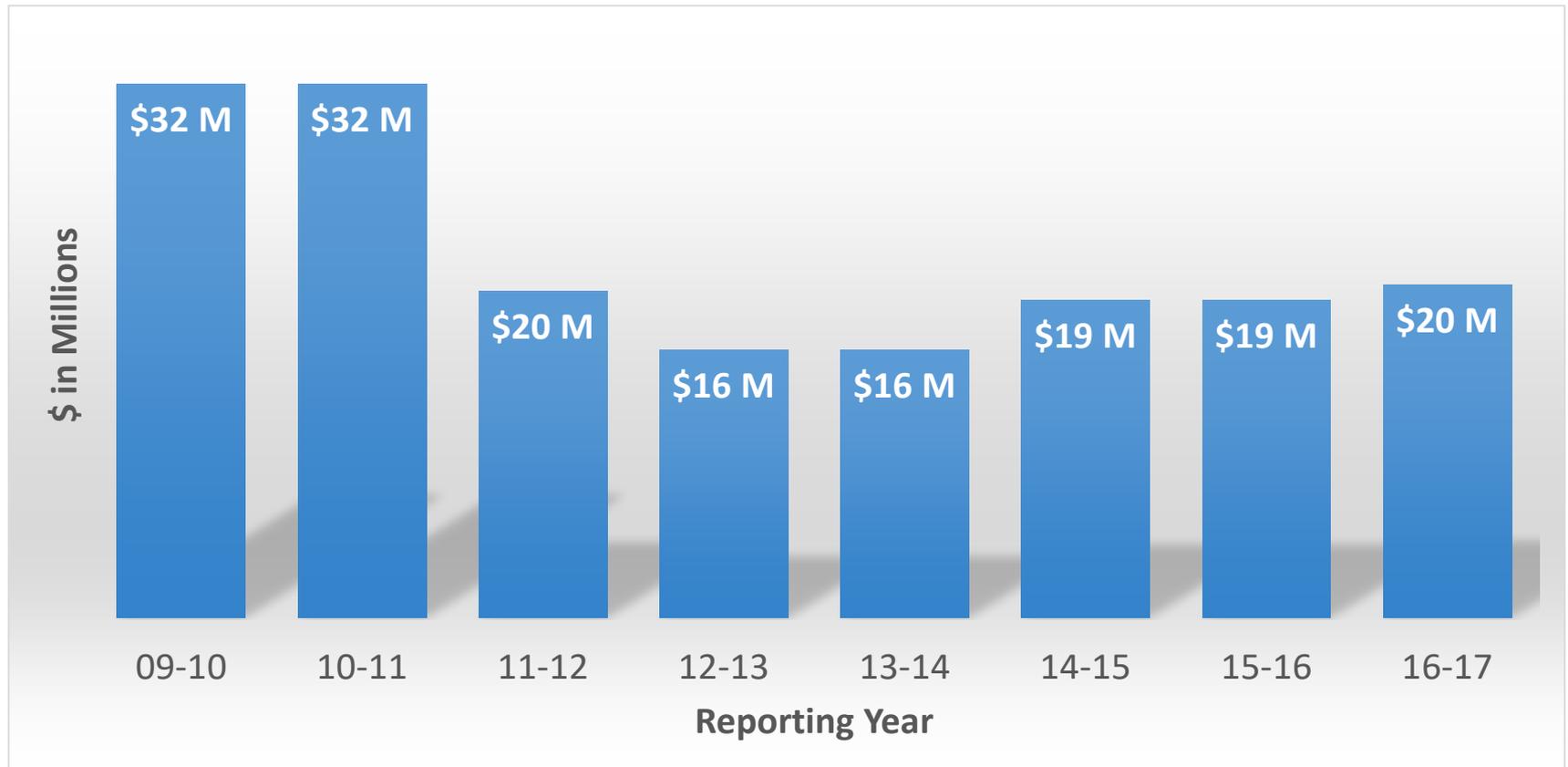
- Cost analysis by PG Environmental, USEPA Contractor
- Includes all 85 cities within LA County (excludes County of LA and LACFCD)
- Fiscal Years 2012/2013 – 2016/2017
- Cost analysis is based on Permittees' reported costs in their annual reports
- Permittees ranked by:
 - Area
 - Population
 - Annual average costs
- Top 20:
 - Lakewood
 - Inglewood
 - Pasadena
 - Culver City
 - La Verne

LA County Cost Analysis on Select Cities

Permittee	Average Annual Cost (\$millions/year)	EWMP/WMP Annual Estimate (\$millions/year)	Number of TMDLs Applicable to Permittee
Culver City	\$3.5	\$40.7	10
Inglewood	\$8.1	\$26.6	9
La Verne	\$3.6	\$8.6	2
Lakewood	\$6.9	\$10.5	7
Pasadena	\$16.6	\$15.6	4

Table above is based on Fiscal Years 2012/2013 through 2016/2017

Ventura County MS4 Permit Implementation Costs



Cost Reporting

- Current Annual Report format for reporting costs is insufficient.
 - Disparity noted in Permittee cost reporting
 - Uncertainty on whether reported costs are solely MS4 permit implementation costs or include non-MS4 permit implementation costs
 - Vague cost categories

Evolving Cost Estimates

- Program costs estimates may change during implementation:
 - Rio-Hondo/San Gabriel River EWMP
 - LA River Upper Reach 2 WMP

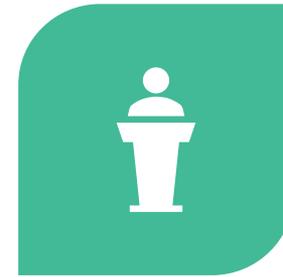
Workshop Notice Process



EMAIL VIA 3 MS4
LYRIS LISTS



EMAIL TO
PERMITTEES



EMAIL TO ELECTED
OFFICIALS

Order of Speakers

- James Nachbaur, State Water Board
 - Cost reporting guidance
- Erik Porse, California State University, Sacramento
 - Costs of stormwater utility program management
- Matt Frary & Paul Alva, Los Angeles County
 - Availability of Measure W funds and the costs of MS4 permit implementation
- Multiple Speakers, Ventura County
 - Current MS4 permit implementation costs and funding sources
- Richard Watson and John Hunter, LSGR & LCC WMP Groups
 - Costs of planning, designing, and constructing water capture projects and the financing challenges even with Measure W
- Kelsey Jessup, Nature Conservancy
- Permittees/Stakeholders/Interested Persons