

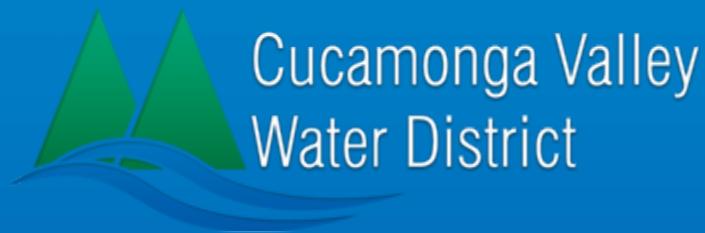
PA 22 Committee Budget Amendment



PA 22 Committee
February 25, 2016

Recommendation

- Approve amending the PA22 Committee Budget to move \$860,120 from the Aerial Mapping Project to the Conservation Based Rates Project.



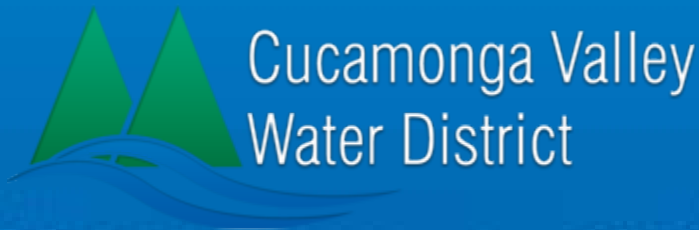
Funding Available

- Savings in Aerial Mapping Project
- \$2,600,000 Budget
- \$730,244 Costs
 - Geophex Contract - \$462,957
 - Statistical Research Inc. - \$202,837
 - Resource Strategies Inc. - \$64,450
 - Contingency: Classification analysis for retailers/wholesalers, further data management for needs of retailers/wholesalers, ET data, etc.
- Savings = \$1,869,755



Interest in Funding

- Garden Grove letter submitted – Sept 16, 2015
- Cucamonga Valley WD letter submitted – Nov 17, 2015
- Interest from La Habra and Loma Linda
- Other 9 agency allocations are \$215,030 (East Valley Water District received allocation of \$337,727)



Interest in Funding

- Propose shifting \$860,120 (four \$215,030 allocations) to Conservation Based Rates
 - Garden Grove, Cucamonga Valley WD Submitted Letters
 - La Habra, Loma Linda shown interest
- Leaves \$1,009,635 for Aerial Mapping (Contingency, can lead to other shifts in the budget where there is demand)



Why Amend PA 22 Budget

- Allows transfer of funds from Aerial Mapping to Conservation Based Water Rates
- Don't have to amend DWR Budget in Grant Agreement (their budget rolls up Aerial Mapping and Rates together)



Milestones in Policy Statement For 9 Agencies



- SAWPA asked 9 agencies in funding queue about their progress and their schedule
- **The three milestones** in the policy statement provide them enough time to meet their schedule they provided to SAWPA

Calendar Year 2016

January

July

December

1. Agreement w/
SAWPA

2. Detailed Scope
of Work

3. Final Draft
Report



Milestones Important For Finalizing Project On Time

Calendar Year 2016

Calendar Year 2017

April

August

March

1. Agreement w/
SAWPA

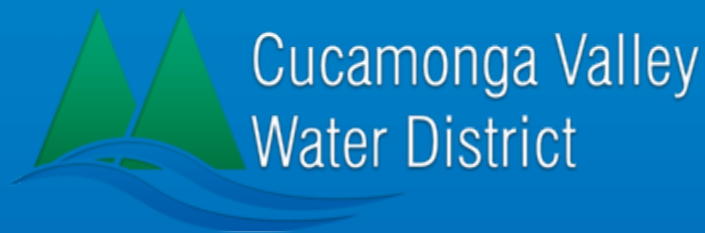
2. Detailed Scope
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Recommendation

- Approve amending the PA22 Committee Budget to move \$860,120 from the Aerial Mapping Project to the Conservation Based Rates Project.



TURF REMOVAL PROJECT POLICY STATEMENT NO. 1

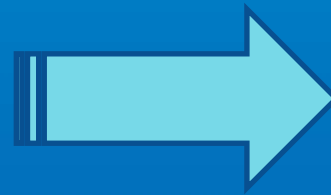


PA 22 Committee
February 25, 2016



Recommendation

- Clarify that Policy Statement No. 1 and the SAWPA Member Agency Contracts are intended to include institutions in the definition of eligible recipients for turf removal rebates, and institutions shall include highly visible properties of non-profit organizations.



Turf Contract & Policy Statement: Exclusive or Emphasis?

- Local water agency requests that nonprofits be eligible for rebates
- Policy Statement No. 1: *The intent of the PA22 Committee is to direct grant funding for the Project to highly visible properties that are maintained by a public agency or homeowner association....*
- SAWPA-Member Agency Contract: *...to highly visible properties that are maintained by a public agency, institutional or a homeowner association (HOA) ...*



Turf Contract Clarification (PA 22 Committee Meeting July 2015)

- PA 22 Committee already discussed churches:
 - *MOVED, Policy Statement No. 1 and the SAWPA-Member Agency Contracts are revised to include institutions in the definition of eligible recipients for turf removal rebates, and institutions shall include churches.*
 - From meeting minutes of July 23, 2015



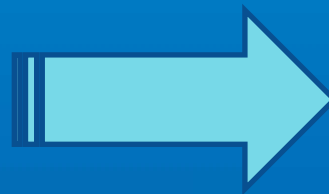
Non-Profit Project

- Ronald McDonald House in City of Orange
- Request from MWDIOC
- Serves as housing for families with children who are under care at Children's Hospital
- Is publicly visible as it is adjacent to hospital
- 2,336 square feet of turf grass



Recommendation

- Clarify that Policy Statement No. 1 and the SAWPA Member Agency Contracts are intended to include institutions in the definition of eligible recipients for turf removal rebates, and institutions shall include highly visible properties of non-profit organizations.



Task Order SRI 504-301-02 Watershed-Wide Image Analysis



PA 22 Committee
Feb 25, 2016



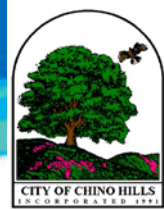
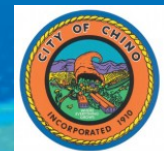
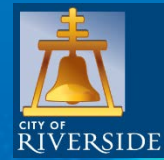
Recommendation

- Approval of Task Order SRI504-301-02 with Statistical Research Inc. Consultant for \$162,204.



Background on SRI

- Would be second task order with SRI.
- First SRI Task Order amount = \$40,634; executed October 14, 2015
- Selected for this work under 2015 PA22 Approved RFP (This Task Order also covered under RFP)
- First SRI Task Order was for preliminary imagery analysis for agencies involved in conservation based rates (9 agencies).



Overall Project Consultants

Richard Schulman - Resource Strategies Inc.



Overall Anticipated Aerial Mapping Project Deliverables

- Aerial Imagery (3inch resolution)
 - Imagery processed by Flight Path
 - Imagery clipped by Agency Area of Interest (AOI)
 - Imagery clipped by Watershed
- Outdoor/Landscape Area Measurements
 - Measurements calculated by Flight Path
 - Measurements clipped by Agency
 - Measurements clipped by Watershed



Need for Task Order

- Need to complete rest of watershed per DWR-SAWPA Grant Agreement
- Will benefit member agencies and any others who need data clipped for their area of interest
- Will allow agencies to implement conservation based water rates
- First Task Order with SRI was for 9 water rate agencies
 - Did not incorporate slope measurements



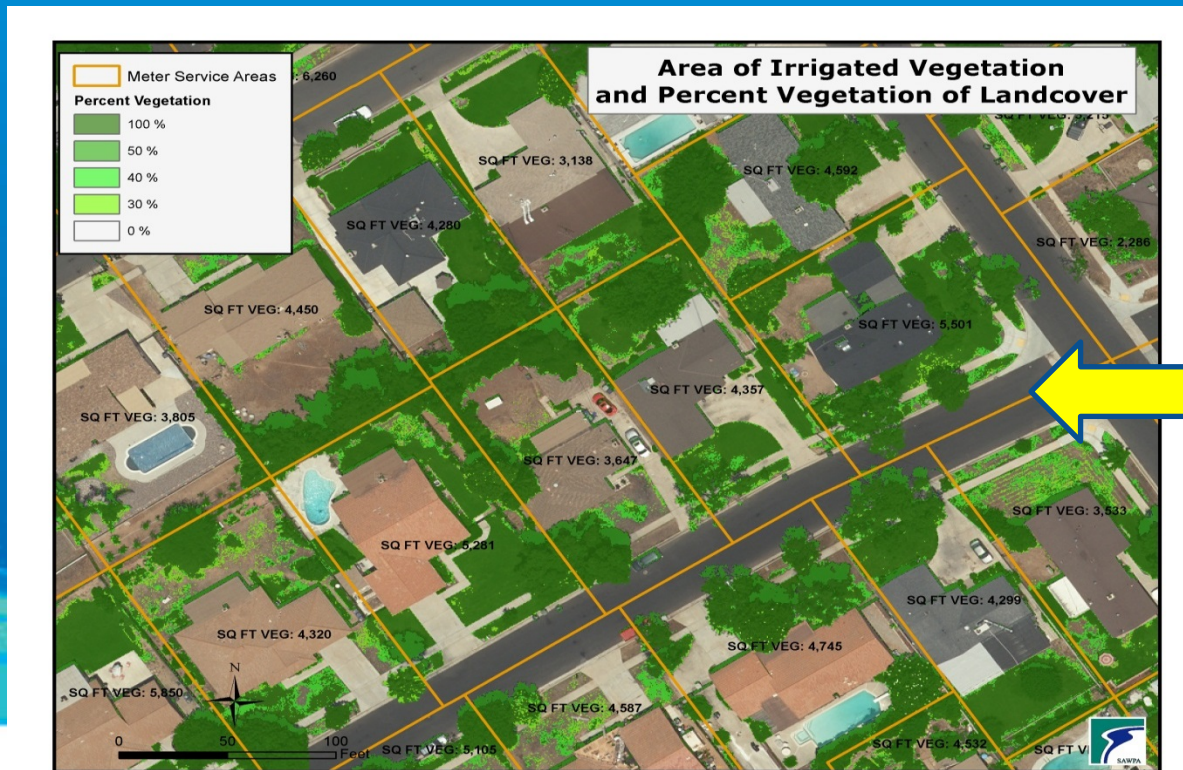
SRI Deliverables for New Task Order

Obtain outdoor area measurements of the following categories for entire watershed:

- turf grass,
- trees,
- shrubs,
- pools (where data is available),
- other vegetation irrigated, and
- other vegetation non-irrigated.

SRI Deliverables for New Task Order

These six measurements shall be itemized by Meter Service Areas (MSAs) for entire watershed.



MSAs = modified parcels



Cost of Task Order

- Like Geophex, dependent on square miles
 - Rate per square mile (for Image Analysis)
- Also dependent on the following parcel information
 - Rate per parcel for Landscape Split
 - Rate per parcel for MSA creation (a.k.a. “Parkway Addition”)
 - Rate per parcel for slope calculation



Overall Budget



- Budget: **\$2,600,000**
- Total Task Order Amount: **\$730,244**
- Difference: **\$1,869,755**
- Richard Schulman, RSI:
 - Two Task Orders: \$26,400 and \$38,050
- Geophex:
 - Two Task Order: \$283,864.02 and \$179,093.2
- Statistical Research Inc.:
 - Task Order Approved: \$40,634
 - Task Order For Approval: \$162,204

Amended PA22 Budget



- From **\$2,600,000**
- Shifted \$860,120 (four \$215,030 water rate allocations)
- Difference: \$1,739,880

- Approved Task Orders Total: \$568,041
- Task Order for Approval: \$162,204
- Amount Remaining in Budget: **\$1,009,635**

Recommendation

- Approval of Task Order SRI504-301-02 with Statistical Research Inc. Consultant for \$162,204.



Background



Data Delivery Process

- Dependent on delivery methodology
- Three consultants each participate in deliverables
- SRI provides the final deliverable piece for measuring landscapes



Richard Schulman - Resource Strategies Inc.

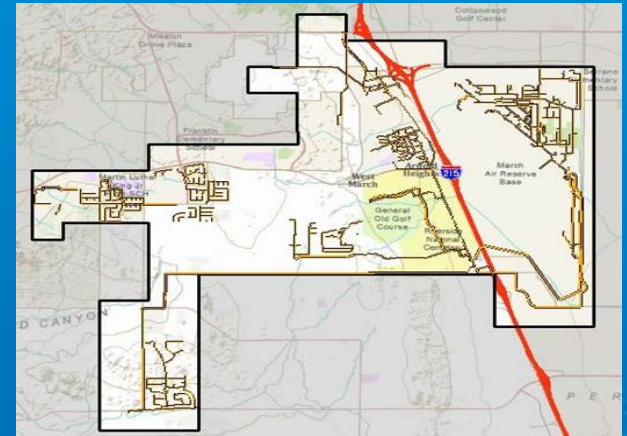
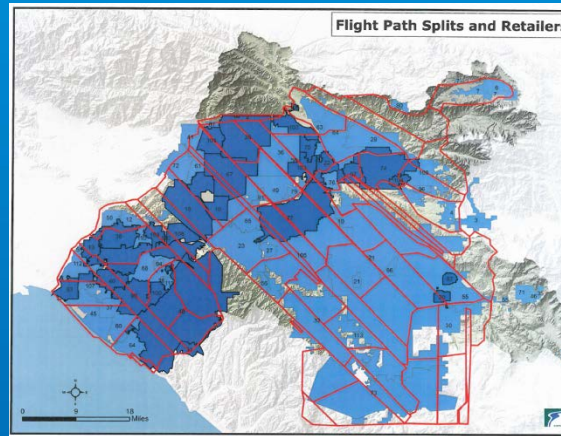
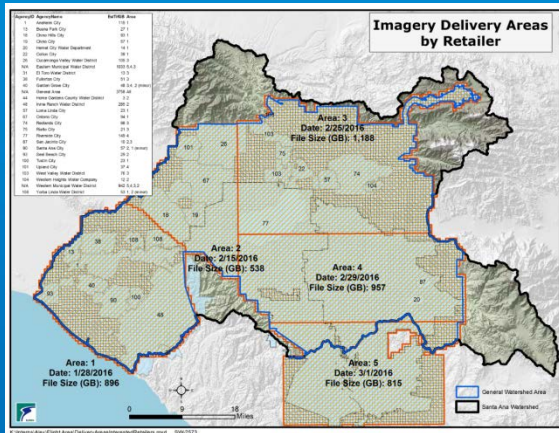


Data Delivery Process

Step 1: Geophex creates tiles in five group

Step 2: Schulman - RSI combines tiles by flight area

Step 3: Statistical Research, Inc. combines flight areas together to create an agency area



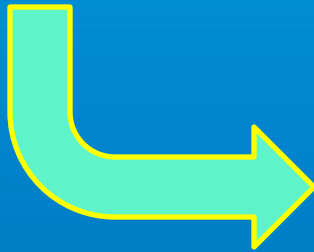
**Richard Schulman -
Resource Strategies Inc.**



Dependent on Delivery Method



1st Delivery of ¼ mile Imagery
(Completed)



Richard Schulman - Resource Strategies Inc.

Generate Flight Path Imagery

Generate Agency Imagery
Compressed Format



Generate Outdoor Measurements



Data Delivery Process

Geophex Area	Date Geophex Delivery	Priority Agencies	Delivery Area	SRI Delivery Deadline to SAWPA
1	28-Jan-16		Orange County Delivery	Date
2	15-Feb-16		West San Bernardino County Area Delivery	Date
3	25-Feb-16	Listed agencies who are working on water rate studies.	East San Bernardino County Area Delivery	Date
4	29-Feb-16	All other agencies receive data after.	North Riverside County Area Delivery	Date
5	1-Mar-16		South Riverside County Area Delivery	Date



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Richard Schulman - Resource Strategies Inc.

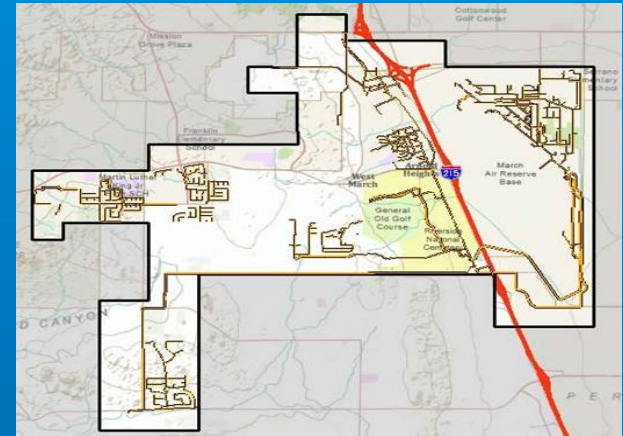
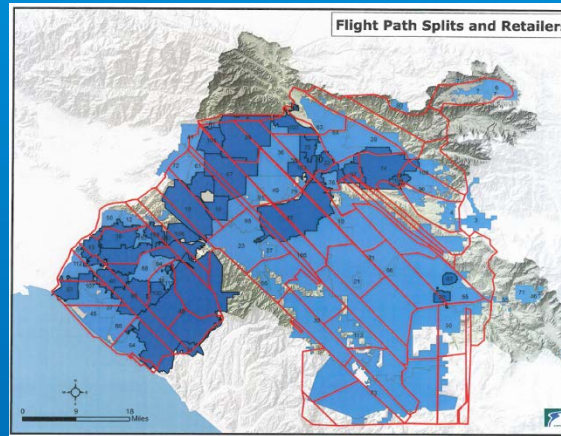
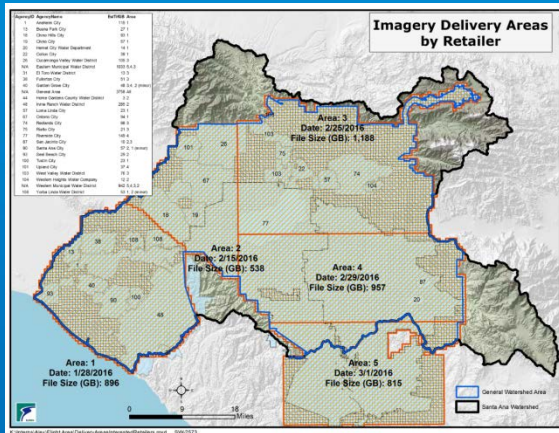


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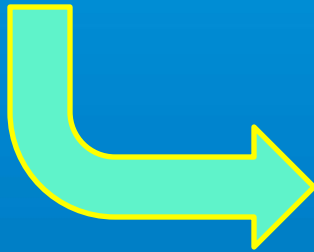
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UPDATE ON AMENDMENT TO SAWPA GRANT AGREEMENT WITH THE STATE

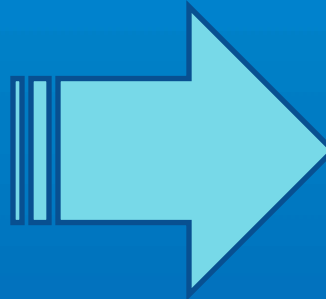


PA 22 Committee
February 25, 2016



Recommendation

- Receive and file this update on Amendment No. 1 to the SAWPA Grant Agreement.



Need for Amendment

- In discussions with DWR, they would like water agencies receiving reimbursement for water rates to be written into contract. This requires an amendment to the Grant Agreement Work.
- Those agencies, and expected agencies, are listed in Amendment.
 - All ten agencies and Garden Grove, Cucamonga Valley Water District, Loma Linda and La Habra



Other Changes

- Staff took opportunity of Amendment to make other clarifying changes
- Changes reviewed with Conservation Advisory Group
 - Extended the Schedule to provide flexibility (still within allowable timeframe for DWR)
 - Remove mention of website to market turf removal programs for member agencies as turf programs are already very popular and work is being done on iEfficient, WMWD's Prop 84 Round 2 funded landscape manual, and Water Savings Garden Friendly.
 - Clarify definition of "institutional" for turf removal.

iEfficient.com



Recommendation

- Receive and file this update on Amendment No. 1 to the SAWPA Grant Agreement.

