

AGENDA

WORKSHOP/MEETING OF THE BOARD OF DIRECTORS

WEDNESDAY, SEPTEMBER 4, 2019 10:00 A.M.

INLAND EMPIRE UTILITIES AGENCY* AGENCY HEADQUARTERS BOARD ROOM 6075 KIMBALL AVENUE CHINO, CALIFORNIA 91708

CALL TO ORDER OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS WORKSHOP/MEETING

FLAG SALUTE

PUBLIC COMMENT

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which is available on the table in the Board Room. <u>Comments will be limited to three minutes per speaker.</u> Thank you.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. WORKSHOP

- A. <u>IEUA WEBSITE REDESIGN UPDATE MR. RYDER SMITH,</u> <u>PRESIDENT/TRIPEPI SMITH & ASSOCIATES (POWERPOINT)</u>
- B. <u>RP-5 EXPANSION PROJECT CONSTRUCTION COST WORKSHOP</u> (POWERPOINT)

2. CLOSED SESSION

A. <u>PURSUANT TO GOVERNMENT CODE SECTION 54954.5 – PUBLIC</u> <u>EMPLOYMENT</u>

- 1. Manager of Internal Audit
- 2. Board Secretary/Office Manager

3. ADJOURN

*A Municipal Water District

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary (909) 993-1736, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

Declaration of Posting

Proofed by

I, April Woodruff, Board Secretary of the Inland Empire Utilities Agency*, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, August 29, 2019.

April-Woodruff

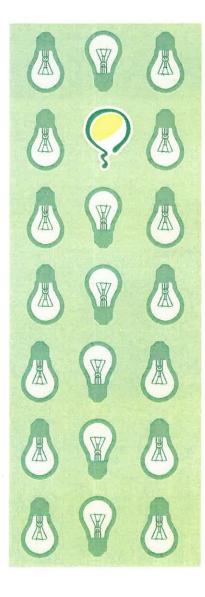
WORKSHOP

1A

IEUA Website Redesign

September 2019





Agenda

- Importance of Website transparency and ADA compliance
- Redesign Process
 - -Design Inspiration
 - -Website Analytics and the role it plays in redesign
- Website Redesign Mockups



Why redesign your website?

- New technology equals improved:
 - -Website Transparency
 - User-friendly functionality for users
 - -ADA/Section 508 Compliance



UserWay: An ADA Compliance Tool

USERWAY =

Accessibility Menu (CTRL+U)

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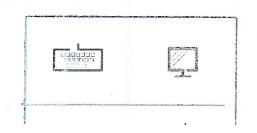
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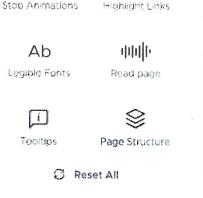
Bigger Text

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UserWay is a pioneer in innovative website ac technologies

We provide helpful accessibility plugins that work without refactoring your website's existing code and wi increase compliance with WCAG 2.1, ATAG 2.0, ADA ,& Section 508 requirements.





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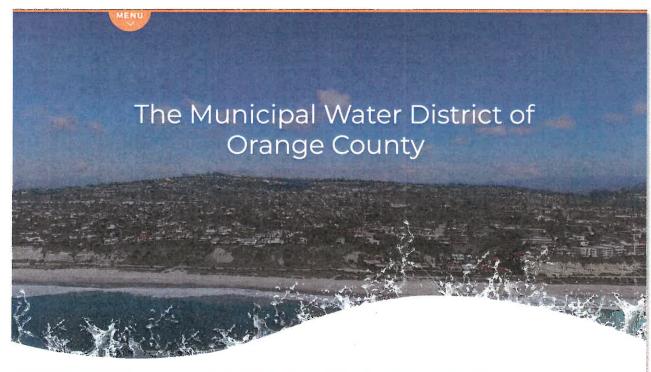
Redesign Process

- Website projects are broken down into 5 Steps:
 - -Website Specification Document
 - -Design of Website
 - -Coding of Website
 - Content Migration & Training
 - -Quality Assurance Testing & Launch



Design Starting Point & Inspiration

The Municipal Water District of Orange County (MWDOC)



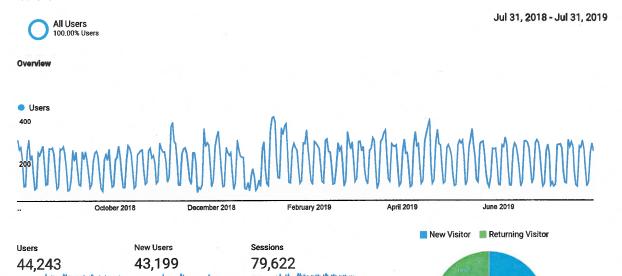
Likes:

- Minimalistic pop out menu
- Full-width modern design and layout
- Large slider area with video
- Use of striking imagery and water related graphics
- Good contrast of colors



Website Analytics and Design

Audience Overview



Pages / Session

2.79

Google Analytics showed the following metrics regarding traffic on the existing IEUA website over the past year.



Avg. Session Duration 00:02:21

1.80

Number of Sessions per User

48.08%

Pageviews

222,514

Bounce Rate

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Website Analytics and Design

Page	Pageviews	Unique Pageviews	Avg. Time on Page	Entrances	Bounce Rate	% Exit	Page Value
	222,514 % of Total: 100.00% (222,514)	173,809 % of Total: 100.00% (173,809)	00:01:19 Avg for View: 00:01:19 (0.00%)	79,621 % of Total: 100.00% (79,621)	48.08% Avg for View: 48.08% (0.00%)	35.78% Avg for View: 35.78% (0.00%)	\$0.00 % of Total: 0.00% (\$0.00)
1. /	43,607 (19.60%)	35,163 (20.23%)	00:00:57	33,230 (41.74%)	29.21%	28.72%	\$0.00 (0.00%)
2. /employment-opportunities/	15,868 (7.13%)	13,128 (7.55%)	00:01:52	6,999 (8.79%)	69.20%	67.90%	\$0.00 (0.00%)
3. /about-us/human-resources/mous-and-salary-schedules/	8,527 (3.83%)	5,205 (2.99%)	00:02:46	2,490 (3.13%)	62.57%	47.06%	\$0.00 (0.00%)
4. /facilities/chino-creek-wetlands-educational-park/	7,558 (3.40%)	5,719 (3.29%)	00:01:42	5,160 (6.48%)	59.46%	57.03%	\$0.00 (0.00%)
5. /about-us/contact-us/	6,893 (3.10%)	6,025 (3.47%)	00:02:28	1,896 (2.38%)	75.74%	62.61%	\$0.00 (0.00%)
6. /about-us/human-resources/	6,305 (2.83%)	5 ,385 (3.10%)	00:00:39	1,100 (1.38%)	30.18%	16.15%	\$0.00 (0.00%)
7. /home/job-seeker/	6,272 (2.82%)	5,391 (3.10%)	00:00:42	769 (0.97%)	38.23%	16.57%	\$0.00 (0.00%)
8. /governance/board-of-directors/	3,913 (1.76%)	3,322 (1.91%)	00:01:42	1,197 (1.50%)	68.50%	46.61%	\$0.00 (0.00%)
9. /category/agendas/	3,506 (1.58%)	2,284 (1.31%)	00:00:17	289 (0.36%)	24.22%	6.16%	\$0.00 (0.00%)
10. /about-us/	3,128 (1.41%)	2,695 (1.55%)	00:02:14	883 (1.11%)	56.06%	44.79%	\$0.00 (0.00%)

July 31, 2018 - July 31, 2019

Google Analytics showed that these pages were the top ten visited pages on the IEUA website over a year.

Homepage Option 1: White header with use of more lighter tones throughout design with gold color accents.



Messege from our GM

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Homepage Option 2: Darker header with use of more blue tones throughout design with gold accent color.



Message from our GM

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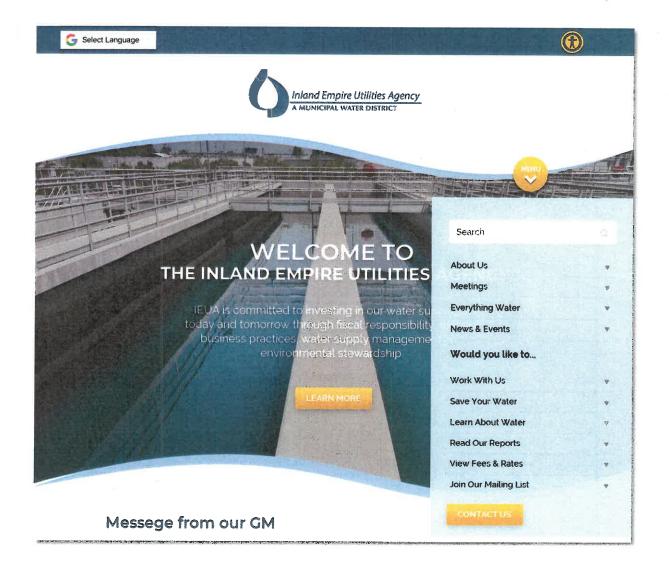
Homepage Hero Image Video:

This is demo of what type of media can be shown on the slider area of the homepage to create a dynamic look and feel on the website.



Homepage Menu Structure:

Simple dropdown with multiple options to navigate content. Improved search bar located at top of menu to improve user-friendly navigation



Board Meetings & Agendas page: Revised and organized Board Meeting and Agenda page that has all information in a single location.



Board Meetings & Agendas Board Meetings a 1964 at us an, the 19st and third Wednesdiy of the month Board Committee Meetings are text aging at 5 a m, the second Wednesday of the month See on colorcartine upcoming data.

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Board Meetings & Agendas

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Current/Upcoming Meetings

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Questions?

Thank you.



WORKSHOP



RP-5 Expansion Project Construction Cost Workshop

Project Nos. EN19001/EN19006







Shaun J. Stone, P.E. September 2019

Inland Empire Utilities Agency

RP-5 Expansion Design The commitment...



- ~12,000 staff hours spent to right-size project during design.
- Objective was to contain cost and create long term functionality, operability, and maintainability at RP-5.

Inland Empire Utilities Agency A MUNICIPAL WATER DISTRICT

Construction Costs What's in there?

ltem	Construction Cost
Liquids Treatment Facilities	\$97,321,000
Solids Treatment Facilities	\$98,577,000
Common to Both Liquids & Solids	\$82,018,000
Offsite Facilities	\$3,929,000
RP-5 Expansion Total Cost:	\$281,845,000

- Indirect Costs (\$23.0M)
 - General Conditions(Mobilization, field offices and support, common use equipment, supervision, home office expense, insurance and bonds)
 - Direct Costs (\$210.8M)
 - Equipment, material, labor, taxes, contractor markups
- Allowances (\$37.1M)
 - Design/Estimating contingencies: 5%
- Overtime (\$6.6M)
 - Based on 25% of estimated manhours performed at an overtime rate of 1.5 times the standard labor rate
- Incentive to Attract/Keep Labor Force (\$4.4M)
 - Based on the expectation that several large projects of similar scope being advertised and constructed within the same time frame as this project, a premium of 7.5 percent of entire labor cost, including overtime, has been applied.

Inland Empire Utilities Agency

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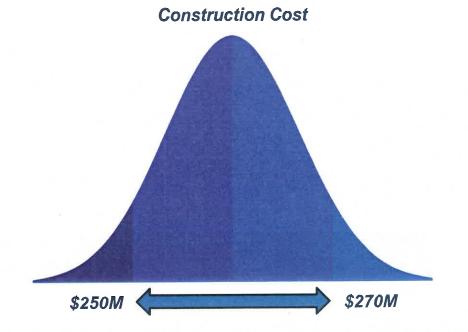
Project Budget

	Target Budget (2015)	Current Budget (2019)
Description	Estimated Cost	Estimated Cost
Design Services	\$26,063,680	\$26,063,680
Consultant Design Contract	\$19,068,704	\$19,068,704
Other Design Services (3%)	\$6,994,976	\$6,994,976
Construction Services	\$24,210,000	\$24,210,000
Engineering Services During Construction (3%)	\$8,070,000	\$8,070,000
Other Construction Services (6%)	\$16,140,000	\$16,140,000
Construction	\$269,000,000	\$309,845,000
Construction (estimate)	\$245,000,000	\$281,845,000
Contingency (~10%)	\$24,000,000	\$28,000,000
Total Project Cost:	\$319,273,680	\$360,118,680
Total Project Budget:	\$325,000,000	\$340,000,000



90% Construction Cost Estimate

- 90% Construction Cost Estimate is Based on Best Available Information
- Probable Bid Range is \$250M-\$270M (Based on Discussions with Construction Managers and Contractors)
- Probable Required Project Budget is \$325M-\$350M



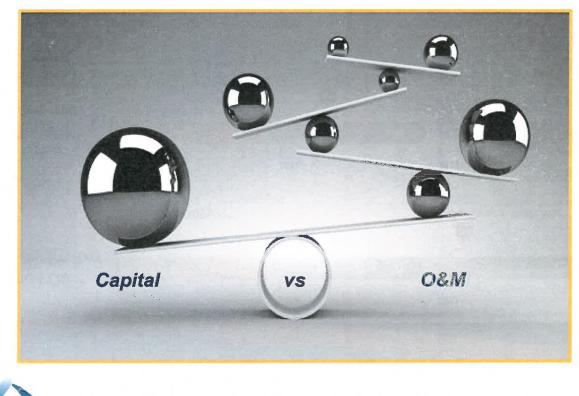
Value Engineering What we looked at...

Value Engineering Options have been evaluated to potentially reduce construction cost:

Value Engineering Option	Construction Cost Savings	Design Cost	Design Time Impact	Impact to O&M
Remove Digester and Boiler Buildings	\$2,650,000	\$397,000	4 months	Reduced Life of Equipment
Remove Full Covers on Primary Clarifiers	\$1,700,000	\$255,000	3 months	Needs Approval by IEUA and AQMD
Remove Rotary Drum Thickener Building	\$1,268,000	\$190,000	4 months	Reduced Life of Equipment
Allow Higher Flux for MBR Membranes	\$1,200,000	\$180,000	2 months	Reduced Life of Membranes; Higher Energy
Remove Chlorine Contact Basin Covers	\$806,000	\$121,000	Minimal	Increased Chemical Usage
Remove Methanol System	\$700,000	\$105,000	1 month	Minimal
9 Other Options (\$25k - \$700k)	\$2,739,000	\$411,000	3 months avg.	Varies
Total of All Value Engineering	\$11,063,000	\$1,659,000		
Total Project Savings:		\$9,404,000 with 5	o months of delay	

Inland Empire Utilities Agency A MUNICIPAL WATER DISTRICT

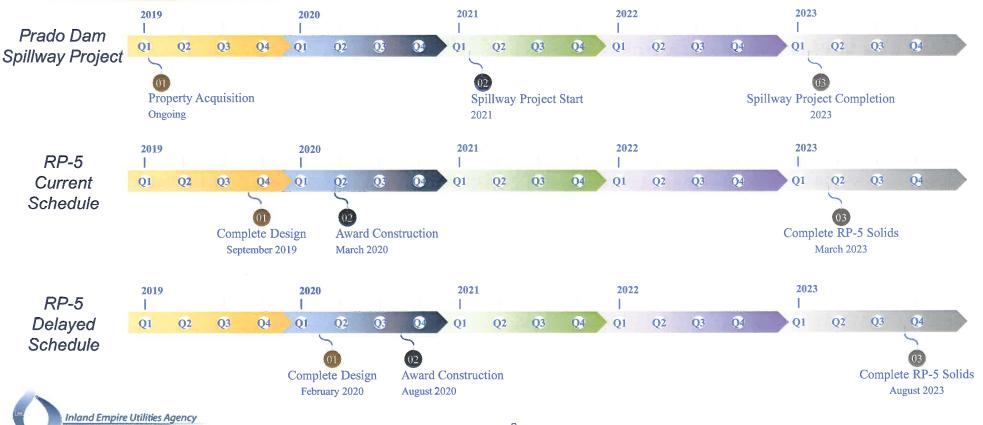
Value Engineering Correctly Balancing the Project ...



- Completing all value engineering options would reduce the maximum estimated project budget from \$360M to \$350M (~3%)
- Most value engineering options are not recommended due to impacts to compliance, longterm maintainability, and project schedule
- Project is correctly balanced between CapEx and OpEx

Inland Empire Utilities Agency

Risk in Delaying Project





- Staff Recommendation
 - No modification to design.
 - Wait for bidding results to adjust budget, if necessary.

The RP-5 Liquids Treatment Expansion Project is consistent with *IEUA's Business Goal of Wastewater Management* specifically the Water Quality objective that IEUA will ensure that systems are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

Inland Empire Utilities Agency