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. Comments will be limited to three minutes per speaker. 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. IEUA WEBSITE REDESIGN UPDATE – MR. RYDER SMITH, PRESIDENT/TRIPEPI SMITH & ASSOCIATES (POWERPOINT)

B. RP-5 EXPANSION PROJECT CONSTRUCTION COST WORKSHOP (POWERPOINT)
2. CLOSED SESSION

A. PURSUANT TO GOVERNMENT CODE SECTION 54954.5 – PUBLIC EMPLOYMENT
   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

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

Proofed by: [Signature]
IEUA Website Redesign

September 2019

TRIPEPI SMITH
marketing • technology • public affairs
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 is a pioneer in innovative website accessibility technologies.

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

TRIPEPI SMITH
Website Analytics and Design

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

- All Users: 100% Users
- Overview
- Users: 400
- New Users: 43,199
- Sessions: 79,622
- Pageviews: 222,514
- Pages / Session: 2.79
- Avg. Session Duration: 00:02:21
- Bounce Rate: 48.08%

TRIPEPI SMITH
Website Analytics and Design

July 31, 2018 – July 31, 2019

<table>
<thead>
<tr>
<th>Page</th>
<th>Pageviews</th>
<th>Unique Pageviews</th>
<th>Avg. Time on Page</th>
<th>Entrances</th>
<th>Bounce Rate</th>
<th>% Exit</th>
<th>Page Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>/</td>
<td>222,514</td>
<td>173,809</td>
<td>00:01:19</td>
<td>79,621</td>
<td>48.08%</td>
<td>35.78%</td>
<td>$0.00</td>
</tr>
<tr>
<td>/</td>
<td>(222,514)</td>
<td>(173,809)</td>
<td>(0.00%)</td>
<td>(79,621)</td>
<td>(48.08%)</td>
<td>(35.78%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>1. /employment-opportunities/</td>
<td>43,607</td>
<td>35,163</td>
<td>00:00:57</td>
<td>33,230</td>
<td>29.21%</td>
<td>28.72%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(19.60%)</td>
<td>(20.23%)</td>
<td>(0.00%)</td>
<td>(41.74%)</td>
<td>(28.72%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>2. /about-us/human-resources/mous-and-salary-schedules/</td>
<td>15,868</td>
<td>13,128</td>
<td>00:01:52</td>
<td>6,999</td>
<td>69.20%</td>
<td>67.90%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(7.13%)</td>
<td>(7.55%)</td>
<td>(0.00%)</td>
<td>(8.79%)</td>
<td>(67.90%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>3. /facilities/chino-creek-wetlands-educational-park/</td>
<td>8,527</td>
<td>5,205</td>
<td>00:02:46</td>
<td>2,490</td>
<td>62.57%</td>
<td>47.06%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(3.83%)</td>
<td>(2.99%)</td>
<td>(3.13%)</td>
<td>(47.06%)</td>
<td>(47.06%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>4. /about-us/contact-us/</td>
<td>7,558</td>
<td>5,719</td>
<td>00:01:42</td>
<td>5,160</td>
<td>59.46%</td>
<td>57.03%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(3.49%)</td>
<td>(2.29%)</td>
<td>(6.48%)</td>
<td>(57.03%)</td>
<td>(57.03%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>5. /about-us/human-resources/</td>
<td>6,893</td>
<td>6,025</td>
<td>00:02:28</td>
<td>1,896</td>
<td>75.74%</td>
<td>62.61%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(2.91%)</td>
<td>(2.47%)</td>
<td>(2.38%)</td>
<td>(62.61%)</td>
<td>(62.61%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>6. /home/job-seeker/</td>
<td>6,305</td>
<td>5,385</td>
<td>00:00:39</td>
<td>1,100</td>
<td>30.18%</td>
<td>16.15%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(2.25%)</td>
<td>(1.10%)</td>
<td>(1.28%)</td>
<td>(16.15%)</td>
<td>(16.15%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>7. /home/job-seeker/</td>
<td>6,272</td>
<td>5,391</td>
<td>00:00:42</td>
<td>769</td>
<td>38.23%</td>
<td>16.57%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(2.32%)</td>
<td>(1.10%)</td>
<td>(0.77%)</td>
<td>(16.57%)</td>
<td>(16.57%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>8. /governance/board-of-directors/</td>
<td>3,913</td>
<td>3,222</td>
<td>00:01:42</td>
<td>1,197</td>
<td>68.50%</td>
<td>46.61%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(1.78%)</td>
<td>(1.91%)</td>
<td>(1.05%)</td>
<td>(46.61%)</td>
<td>(46.61%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>9. /category/agendas/</td>
<td>3,506</td>
<td>2,284</td>
<td>00:00:17</td>
<td>289</td>
<td>24.22%</td>
<td>6.16%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(1.34%)</td>
<td>(1.31%)</td>
<td>(0.96%)</td>
<td>(6.16%)</td>
<td>(6.16%)</td>
<td>(0.00%)</td>
</tr>
<tr>
<td>10. /about-us/</td>
<td>3,128</td>
<td>2,695</td>
<td>00:02:14</td>
<td>883</td>
<td>56.06%</td>
<td>44.79%</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(1.41%)</td>
<td>(1.55%)</td>
<td>(1.11%)</td>
<td>(44.79%)</td>
<td>(44.79%)</td>
<td>(0.00%)</td>
</tr>
</tbody>
</table>

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

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

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

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.
IEUA Redesign Mockups

Homepage Menu Structure:
Simple dropdown with multiple options to navigate content. Improved search bar located at top of menu to improve user-friendly navigation.
IEUA Redesign

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

Thank you.
RP-5 Expansion Project
Construction Cost Workshop

Project Nos. EN19001/EN19006

Shaun J. Stone, P.E.
September 2019
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.
Construction Costs
What's in there?

<table>
<thead>
<tr>
<th>Item</th>
<th>Construction Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquids Treatment Facilities</td>
<td>$97,321,000</td>
</tr>
<tr>
<td>Solids Treatment Facilities</td>
<td>$98,577,000</td>
</tr>
<tr>
<td>Common to Both Liquids &amp; Solids</td>
<td>$82,018,000</td>
</tr>
<tr>
<td>Offsite Facilities</td>
<td>$3,929,000</td>
</tr>
<tr>
<td><strong>RP-5 Expansion Total Cost:</strong></td>
<td><strong>$281,845,000</strong></td>
</tr>
</tbody>
</table>

- **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.
## Project Budget

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Design Services</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consultant Design Contract</td>
<td>$19,068,704</td>
<td>$19,068,704</td>
</tr>
<tr>
<td>Other Design Services (3%)</td>
<td>$6,994,976</td>
<td>$6,994,976</td>
</tr>
<tr>
<td><strong>Construction Services</strong></td>
<td>$24,210,000</td>
<td>$24,210,000</td>
</tr>
<tr>
<td>Engineering Services During Construction (3%)</td>
<td>$8,070,000</td>
<td>$8,070,000</td>
</tr>
<tr>
<td>Other Construction Services (6%)</td>
<td>$16,140,000</td>
<td>$16,140,000</td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td>$269,000,000</td>
<td>$309,845,000</td>
</tr>
<tr>
<td>Construction (estimate)</td>
<td>$245,000,000</td>
<td>$281,845,000</td>
</tr>
<tr>
<td>Contingency (~10%)</td>
<td>$24,000,000</td>
<td>$28,000,000</td>
</tr>
<tr>
<td><strong>Total Project Cost:</strong></td>
<td>$319,273,680</td>
<td>$360,118,680</td>
</tr>
<tr>
<td><strong>Total Project Budget:</strong></td>
<td>$325,000,000</td>
<td>$340,000,000</td>
</tr>
</tbody>
</table>
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 Options have been evaluated to potentially reduce construction cost:

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

- Project is correctly balanced between CapEx and OpEx
Risk in Delaying Project

**Prado Dam Spillway Project**
- **2019 Q1**: Property Acquisition Ongoing
- **2021 Q2**: Spillway Project Start 2021
- **2023 Q3**: Spillway Project Completion 2023

**RP-5 Current Schedule**
- **2019 Q1**: Complete Design September 2019
- **2020 Q2**: Award Construction March 2020
- **2023 Q3**: Complete RP-5 Solids March 2023

**RP-5 Delayed Schedule**
- **2019 Q1**: Complete Design February 2020
- **2020 Q3**: Award Construction August 2020
- **2023 Q3**: Complete RP-5 Solids August 2023
Discussion

- 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.