

FIRST AMENDMENT TO GROUND LEASE AND WELL RELOCATION AGREEMENTS FOR A TOTAL PROJECT COST OF \$5,381,653

Riverside Public Utilities

Board of Public Utilities September 9, 2019

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BACKGROUND

- 1. Ground Lease and Well Relocation Agreements
 - a. Hillwood developers
 - b. 55 years
 - c. Former San Bernardino Golf Course
- 2. Approved March 7, 2017



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BACKGROUND (con't)

- 3. Well Relocation Agreement
 - a. Warren 4
 - b. \$4.1 M (includes contingency)
 - c. Rent Credits
 - d. RPU pays directly for Additional Work

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DISCUSSION

- 1. First relocation site unsuitable
 - 1. Hot water
 - 2. Undesirable minerals
 - 3. Infeasible to treat
- 2. Second relocation successful



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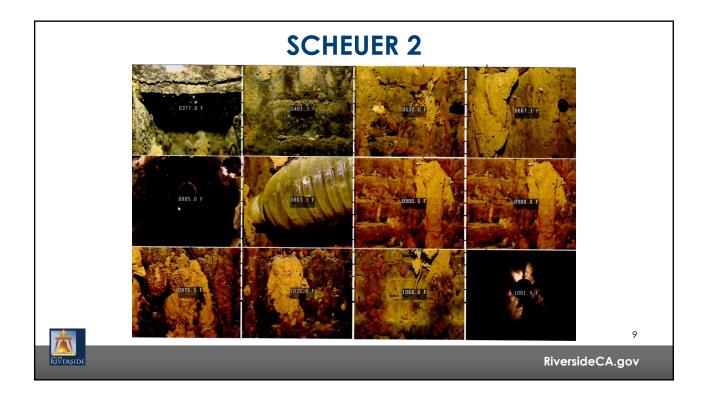


DISCUSSION (con't)

- 3. Cost increases (\$1.28M)
 - a. Relocation costs (\$0.62M)
 - i. New pilot hole
 - ii. Additional water testing
 - iii. Redesign
 - b. Materials and Design (\$0.49M)
 - i. Inflation
 - ii. Tariffs
 - c. Upgrade (\$0.17M)
 - i. Stainless steel casing and screens

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FISCAL IMPACTS

Funding (\$1.28M)

- 1. \$0.49M Increased rent credits (for 180 months)
 - a. Materials & Design
 - b. Rent credit from \$28 K to ~\$32k per month
- 2. \$0.79M Directly funded by RPU
 - a. Relocation & Upgrade



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RECOMMENDATIONS

That the Board of Public Utilities recommend that the City Council approve:

- Approve the First Amendment to the Ground Lease Agreement with GWS#4 Development, LLC, which redefines property easements and increases to City payments to Lessee as credits to monthly rent totaling \$493,179;
- Approve the First Amendment to the Well Relocation Agreement with Hillwood Enterprises, L.P. consistent with the redefined property easements in accordance with the amended Ground Lease Agreement; and
- 3. Approve an increase to Work Order No. 1709464 for additional work to construct Warren 4R potable water well in the amount of \$788,474 for a total project cost of \$5,381,653.

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STEEL AND ALUMINUM TARIFFS

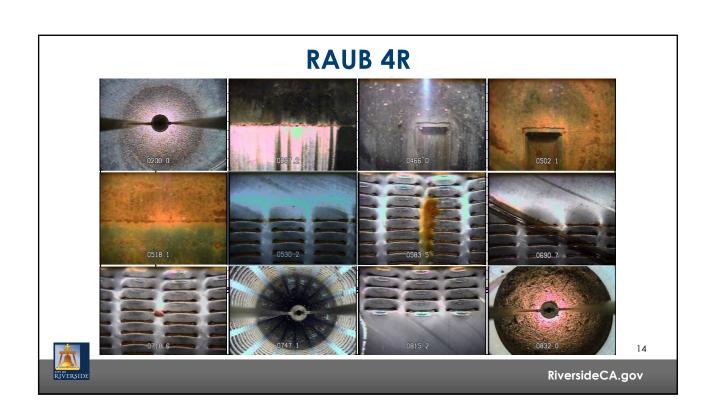
- Section 232 Tariffs
 - Rate increase on imported raw Steel and Aluminum

| Action | Covered Products | Rate Increase | Effective Date |
|-------------|--------------------|-------------------------------|--|
| Section 232 | Steel and Aluminum | Steel - 25% Aluminum - 10% | March 23rd, 2018 (initial) June 1st, 2018 (extending country exemptions) |

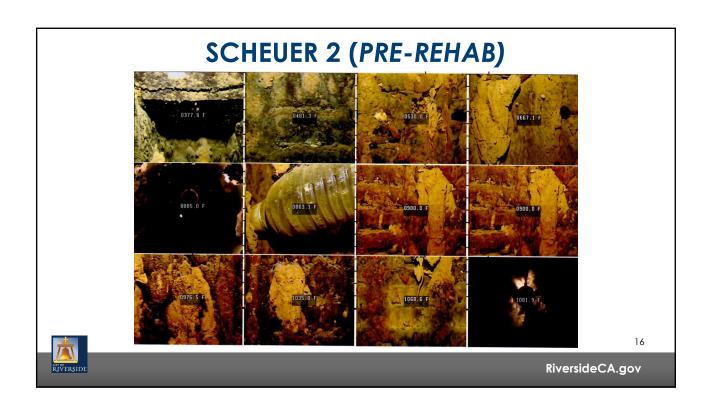


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WELL CASING MATERIAL SELECTION Low Carbon **High Strength Low Alloy Stainless Steel Screen** Steel Screen **Steel Screen** 25% efficiency loss 25% efficiency loss 25% efficiency loss every 5 years every 6 years every 30 years Well cleaning every Well cleaning every Well cleaning every 5 years improves the 6 years improves the 30 years improves well efficiency to well efficiency to the well efficiency 88% of previous 90% of previous to 95% of previous value value value ✓ Well life expectancy • Well life expectancy Well life expectancy is 25 years is 40 years is 75 years For new well, For new well, specific capacity specific capacity increased 40% increased 40% Glotfelty, 2012 RiversideCA.gov











BENEFITS OF STAINLESS STEEL CASING

- Longevity
 Well is projected to have a service life of 75 years
- 2. Less frequent rehabilitation required
 Projected to go 10+ years without requiring rehabilitation
- 3. Greater resistance to pitting from shock chlorination and high resistance to corrosion
- 4. Long term cost effectiveness!



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