



MEETING SUMMARY

Salt Lake City Department of Public Utilities 4th Avenue Well Facilitated Working Group Meeting
Tuesday, October 22, 2019, 6:30 pm
Memorial House at Memory Grove

INTRODUCTION

Salt Lake City Department of Public Utilities (SLCDPU) held a facilitated working group meeting with residents who live near the proposed 4th Avenue well project to kickstart a process to help identify a workable solution for the project. The meeting provided an opportunity to review the purpose and need of the project, discuss residents' concerns and solutions, and review SLCDPU most recent proposals. The facilitated framework enabled frank discussion and information-sharing by both SLCDPU and residents. Participants discussed pros and cons of various proposed solutions and if additional information is required. The agenda and meeting materials are attached.

ACTION ITEMS

SLCDPU officials left the meeting with numerous suggestions, questions and requests from residents, listed below:

- Work with Planning, Historic Landmark Committee, and City Council staff to gather all public comments made about the project to-date.
 - Obtain from Winston and Katie the park usage survey they mentioned.
 - Provide residents with information on if City officials will restrict SLCDPU to a limited area of the park to avoid future loss of green space.
 - Provide residents with information on if the project will affect property values.
 - Provide residents and specifically area resident Alan Walker with information on why there isn't room for an electrical submersible pump.
 - Provide residents with information on why the current vault is not safe or large enough.
 - Provide residents with safety facts and the worst-case scenario for using a tablet calcium hypochlorite disinfection system.
 - Develop a worst-case scenario evacuation plan.
 - Provide residents with an evaluation for moving the disinfection system to another site.
 - Provide residents with the building height needs and when the building design work begins look at creative solutions to reduce the impact.
 - Determine the need for a driveway.
 - Provide residents with upkeep, maintenance and monitoring plan.
 - Provide residents with information on if the project will affect area parking.
 - Provide residents with current noise and vibration levels at the site.
 - Report to residents if the project will trigger tree removal to assure the site is clearly visible and free of obstructions.
 - Provide residents with evaluation information on moving the well to another location, such as feasibility, costs and project elements. Perhaps present a 30 percent design.
 - Provide residents with information about the importance and value of the well, as well as how the distribution system works.
 - Provide a meeting summary.
 - Schedule next meeting.
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DISCUSSION POINTS

Compilation of Public Comments: Residents noted that not all public comments to-date are included in an interview findings report dated September 2019 and prepared by Wilkinson Ferrari & Co. to better understand the situation and to develop an engagement framework and facilitated working group process. Residents were concerned that comments not included might be lost. They would like SLCDPU to gather and summarize all public comments made to the Planning Commission, Historic Landmark Commission, City Council, and at a public open house. They also mentioned that the neighborhood conducted a park usage survey and they would like it included in the summary of comments. Council Member Wharton commented that all City Council Members will receive the compilation of comments.

Quality of Area: Meeting participants discussed how to “maintain the area’s integrity” and whether residents care more about the area than SLCDPU/City government does. Some thought that was the case and others disagreed. Comments were also made about how the area is peaceful, accessible and priceless, and there is a desire to preserve as much green space as possible. Questions were asked about whether the City could restrict an area for the well purpose to avoid future creep into the park in future years. The question was also raised if the project could affect property values.

Building Size & Site Design: Most of the meeting’s discussion was centered around the size of the proposed building and the site designs. SLCDPU reported that they had reduced the building footprint to 487 square feet or 587 square feet with an electrical enclosure. That’s about a quarter the size of the original, 2,214-square-foot proposal, which included a 971-square-foot building and fenced area for a generator. SLCDPU officials reviewed what they explored to reduce the size. Residents said they appreciated the effort by SLCDPU to reduce the size of the building, but they still have questions and would like to see things explored further. Some residents stated they will never like the project.

- **Submersible Pump:** SLCDPU reported they had evaluated using an electrical submersible pump but found there is not enough room because of the need to line the well’s structure to extend its life. Residents questioned this and asked to have area resident Alan Walker review this information. They suggested it might be necessary to hire a third-party engineer to review this and (perhaps) other project elements. They would like creative solutions to be explored, such as a larger and safer underground vault that could accommodate a submersible pump.
- **Vault Safety:** It was mentioned that someone had looked into the vault and, to them, it appears to be safe, that there is enough space to do what needs to be done and that the well should be kept as is. Council Member Wharton commented about the City’s obligation to provide safe and reliable drinking water, the importance of worker safety and the City’s liability.
- **Tablet Disinfection System:** There was considerable discussion around SLCDPU’s solution to install a tablet calcium hypochlorite disinfection system that allows for a smaller building size and addresses residents’ concerns about safety. There was a discussion about how many tablets would be located on site (one to two five-gallon buckets), how SLCDPU employees would bring the buckets there a couple times a week, and how employees would load the tablets one at a time manually into the system. Questions were raised about whether gas would be created when water hit the tablets, and SLCDPU responded that no gas would be formed. SLCDPU reported that the only way for gas to form is if acid was put on the tablets and that acid was not part of the process and would not be in the pump house. That led to a discussion about potential tampering and the security of the pump house; residents expressed concerns about potential consequences of a worst-case scenario. SLCDPU explained that this type of system is

commonly and safely used at swimming pools. Some attendees expressed concern about possible odors from the tablets. SLCDPU explained that the tablets emit very little odor, and that they would be contained in closed buckets except for that short moment when they are taken from a bucket and installed in the closed disinfection system, which would be enclosed in the proposed building. SLCDPU mentioned they are also exploring installing a carbon-scrubbing ventilation system to filter the air. Residents requested that odor be part of the worst-case scenario report. Residents then asked about the need for an evacuation plan. It was asked if SLCDPU would look at what would be required to move the disinfection system to another site, suggesting that the cost could be borne by City taxpayers and/or SLCDPU ratepayers. The request was made to SLCDPU about the desire to see a 30 percent design for this.

- **Building Height:** The group discussed how tall the building might need to be and what effect it might have on the neighborhood. SLCDPU officials said height requirements haven't been determined yet, but this information would be reported to residents when available. Residents expressed concerns about the sight lines and how they might not be able to see their neighbors across the park anymore; they encouraged SLCDPU to consider creative design solutions, such as varying the height and roofline of the building.
- **Driveway:** The group discussed if there is a need for a driveway. SLCDPU said they would look into this.
- **Site Maintenance:** Residents expressed how they want to make sure the site is clean and safe.
- **Area Parking:** Residents were interested in knowing if the project would affect parking in the area.

Building Aesthetics:

SLCDPU reported they had hired CRSA Architects and noted that designs must meet the goals of Salt Lake City Planning and Historic Landmark Commission, and also address community concerns. Residents asked SLCDPU to work with state decision-making authorities to ensure the project is approved as it is presented to residents.

Noise:

SLCDPU reported that the County's regulation for noise threshold is 50 decibels or less and that for this project they will try to get it as low as possible and 30 decibels may be obtainable. Residents asked about current noise and vibration levels and if vibrations would be felt after renovation. SLCDPU reported that vibrations shouldn't occur unless something is not working correctly, and that any malfunction would be addressed as quickly as possible.

Trees:

SLCDPU officials reported they met with the City's Urban Forester and had them conduct an air-knife assessment of tree roots in the area. Residents expressed concern that the proposed building might trigger a need to clear out the blocked site lines so more trees would be eliminated as what is happening in Pioneer Park. Residents also wondered if changed sightlines in the park would increase the risk for crime.

Project Need:

There was discussion about decisions being made by SLCDPU for economic reasons and not because of technical issues. It was voiced that SLCDPU decided the cost was too high to move the well but didn't consider that the existing site is compromised by seismic, flooding and fire risks. It was asked if SLCDPU would explore the feasibility and cost of moving the well. It was suggested that, if moving the well is possible and is a desirable option that perhaps the City could pay for it by bonding or charging higher user fees. SLCDPU explained that the costs to move the well would be considerable because it would require reconfiguring others aspects of the area's water system that is currently configured for that well site, along with other expenses like purchasing land and water rights, and that a new well might not be as productive as the existing well. It was voiced that the well is not critical to the system; SLCDPU explained how the well is an integral part of the system that serves downtown and much of the surrounding area. SLCDPU offered to provide more information about this at a future meeting, or directly to the resident who requested it.

Next Meeting:

The group discussed meeting again. There is a desire that the next meeting be held in 2-3 weeks, at the same time (6:30 pm) and at the same location (Memorial House). There was also some discussion about providing information if appropriate through email exchanges and creating a meeting summary.

ATTENDEES

Area Residents

- Robin Carbaugh
- Carlisle Carroll
- Phil Carroll
- Kurt Fisher
- Jill Van Langeveld
- James Livingston
- Lisa Livingston
- Linnea Noyes
- Steve Mason
- Craig Ogan
- Cecile Paskett
- Katie Pugh
- John Russell
- Leslie Russell
- Winston Seiler
- Evan Smith
- Vickey Walker

Salt Lake City

- Chris Wharton, Salt Lake City Council Member, District 3
- Laura Briefer, Director, Salt Lake City Department of Public Utilities
- Jesse Stewart, Deputy Director, Salt Lake City Department of Public Utilities
- Holly Mullen, Communications & Engagement Manager, Salt Lake City Department of Public Utilities
- Jeff Grimsdell, Water Distribution System Manager, Salt Lake City
- Cory Young, Sanitation Program Manager, Salt Lake City

- Kelsey Lindquist, Senior Planner, Salt Lake City
- Austin Kimmel, Liasion, Salt Lake City Council

Consultants

- Kirk Bagley, Principal, Bowen Collins & Associates
- Cindy Gubler, Partner, Wilkinson Ferrari & Co.
- Mimi Charles, Public Involvement Manager, Wilkinson Ferrari & Co.
- Alexis Cairo, Facilitator, Wilkinson Ferrari & Co.

APPENDIX

MEETING AGENDA

6:30 – 6:40 Welcome & Remarks

- Welcome everyone and review the purpose of the meeting – Cindy Gubler, Partner, Wilkinson Ferrari & Co.
- Salt Lake City Department of Public Utilities commitment to the city and community — Laura Briefer, Director, Salt Lake City Department of Public Utilities
- Introduce facilitator Alexis Cairo – Cindy Gubler, Partner, Wilkinson Ferrari & Co.

6:40 – 6:55 Goals & Steps

- Review the goal of the working group meetings — Alexis Cairo, Facilitator
- Review the steps to accomplish the working group goal and what is hoped to be accomplished during this first meeting — Alexis Cairo, Facilitator
- Review the engagement timeline — Alexis Cairo, Facilitator

6:55 – 7:25 Identify & Capture Concerns & Solutions To-Date

- Post and acknowledge the project's purpose and need, and the proposed project — Alexis Cairo, Facilitator
- Review residents' concerns raised during interview process and discussion to determine if new concerns should be added – Cindy Gubler, Partner, Wilkinson Ferrari & Co., Alexis Cairo, Facilitator & Attendees
- Review residents' solutions provided during interview process and discussion to determine if new solutions should be added – Cindy Gubler, Partner, Wilkinson Ferrari & Co., Alexis Cairo, Facilitator & Attendees
- Review Salt Lake City Department of Public Utilities solutions explored recently and discussion — Jesse Stewart, Deputy Director, Salt Lake City Department of Public Utilities, Alexis Cairo, Facilitator & Attendees

7:25 – 8:15 Group Solution Discussion

- Discussion to determine what information is still needed, where there is agreement, if there are solutions that can be pursued, identify challenges and disagreements — Alexis Cairo, Facilitator & Attendees

8:15 – 8:30 Next Meeting Discussion & Wrap Up

- Discussion to identify focus of the next meeting and when the group can be ready to meet again — Alexis Cairo, Facilitator & Attendees
- Wrap up and thank you — Laura Briefer, Director, Salt Lake City Department of Public Utilities

PROJECT PURPOSE & NEED



Supply safe and reliable drinking water

Critical well that needs to continue to operate - provides up to 100% of water for downtown during peak demand

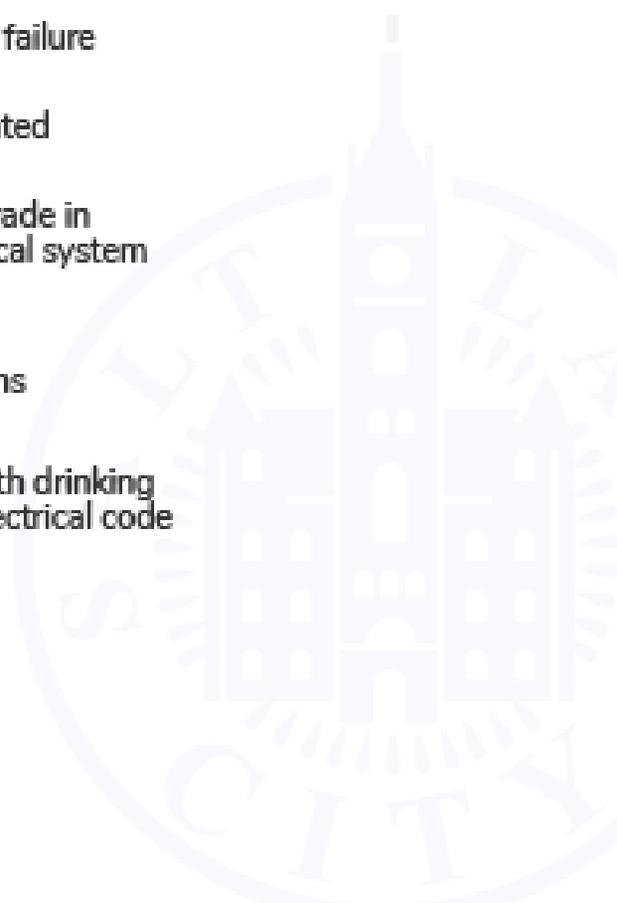
Well is at a severe risk of failure

Electrical system is outdated

High failure risk below grade in the vault - risks to electrical system and well water source

Unsafe working conditions

Well does not comply with drinking water regulations and electrical code





PROPOSED PROJECT

Construct well head and electrical system above ground at existing well location

Include a disinfection system

Construct a secure building for the above ground infrastructure

Provide for backup power supply

Meet maintenance and operational needs and regulatory requirements

Obtain approval from DEQ, City Planning Commission and the Historic Landmarks Commission

RESIDENTS' CONCERNS

The Area's Quality

- Site is a beautiful, valued, historic place
- Project has the potential to dramatically alter it

Building Size

- Building size should be as small as possible
- Don't want it to be the dominant feature in the park

Building Aesthetics

- Building should reflect historic neighborhood's character and aesthetics
- Building should feel like it belongs there
- Building should be a special design that is timeless
- Building should not look too generic; it should not look like a Starbuck's coffee shop; the building should not look like a house
- Building should not have eaves so homeless people don't sleep under it; if it has a water feature, it should be designed so people don't bathe in it
- Building should not have screens for vegetation to grow on it – it doesn't work

Noise

- Fear constant electrical humming sound

Safety

- Concerned about liquid chlorine at the site

Trees

- Want trees near the site preserved

Smell

- Concerned about smell

Project Need

- Question if the project is not needed or if it can be left alone
- Want to know if the well can be placed in another location

RESIDENTS' SOLUTIONS

The Area's Quality

- Maintain area's integrity

Building Size

- Keep the pump submerged in the vault and move only the electrical above ground

Building Aesthetics

- Building should look like it was built in the 1930's or 40's
- Building could look like a period pump house
- Building could use salvaged brick to make it look older
- Building could be artful and include a water feature
- Building could include a historical plaque
- Materials inventory points to the use of stone and/or stucco/cementitious materials

Noise

- Building could include a water feature to mask the sound

Safety

- Keep smaller amounts of liquid chlorine on site
- Move the liquid chlorine to another location

Trees

Smell

Project Need

- Doing nothing should be an alternative
- Move the well to another location
- Monitor the vault with sensors and cameras

SLCDPU SOLUTIONS

The Area's Quality

- Maintain area's integrity

Building Size

- Identified ways to reduce the size – original building footprint was 971 square feet with a fenced area and generator that made the entire site 2,214 square feet; with identified solutions the building is now 474 square feet or 587 square feet with electrical enclosure.

Previous adjustments to size as of June 2019

- Removal of on-site electrical generator; and utilize a mobile generator
- Removal of site security fencing
- Removal of fluoride system

New adjustments to size to-date

- Usage of a well water-cooled system to reduce HVAC footprint
- Utilize a vaulted flow meter
- Utilize a tablet calcium hypochlorite disinfection system
- Other items to reduce size include removing the safety shower, reducing outside piping by lowering the pump to waste piping, reconfiguring electrical gear to minimize space
- Evaluated an electrical submersible pump: given the well constraints and electrical demand determined that there is not enough room within the well

Building Aesthetics

- Hired CRSA Architects 2018
- Must meet goals of SLC Planning and Historic Landmark Commission, and address community concerns

Noise

- Being designed with noise mitigation
- County regulation is less than 50 decibels; designing to be at around 30

Safety

- Evaluated moving disinfection system to another location
- Evaluating tablet calcium hypochlorite
- Designing usage of remote sensors and alarms

Trees

- Met with City Urban Forester to assess tree conditions
- City Urban Forester performed air-knife assessment of roots
- Working to limit number of trees impacted

Smell

- Evaluating tablet calcium hypochlorite
- Exploring carbon filters for air ventilation

Project Need

- Doing nothing is not an option; not compliant with state regulations and doesn't meet SLCDPU obligations
- Moving the well is not a viable option; it's a critical piece of our water system - another location may not have same performance
- Plan to use remote sensors and alarms but they will not replace the need for the project

SLL DPU - OCT. 22, 2019 - 4th Ave Well

■ NOT LIQUID CLERLINE — NOTHING IN THE

Public record yet. > Not dumb.

WHAT IS THE ANSWER.



* PARK UTILIZED BY OTHERS - What we do want to keep as Green Space - maintain Character as Quality

* How will the city maintain site? —

* Public Values - what will happen How will it impact our values

ENVIRO ISSUES affect values

ENVIRONMENTAL study —

* TREES — Will this enforce blocked site lines
How will be not at a higher risk for cut

* What are the City Plans for evacuation as ^{result} part of spill chlorine.

* Quality of life - Peaceful accessible & priceless.

* ^{residential design} HCL records / ^{Median Park way} Economic ISSUES not tech ^{is} ^{prohibits} ISSUE. Cost too much to move council decided. Not good site.

Because of Seismic repeated flooded Fire blight
highest level. plan above ground level need waiver for

Residents want to sink - see a waiver,

- where do we get \$1.5 m to move - \$73 million discount
get bonding.

* Gather all public records and summarize - NEED to RESTATE all issues.

* Never asked to stop producing the well.

Solutions - SUDPY.

* REVIEW w/ state so if we agree to all these

↳ Looked into well - its safe, there ³ is space - they can get down there.
Keep well as is.

↳ Get rid of survey - 10 people
it diminish the accurate.

summarizes all the Public Comments
When they were made / ^{By Whom} _{By When.}

- Include City Council Comments
- include Historical Commission
- Oral comments / send in writing
- ~~Wendover~~ Park attendees - survey -
Winston -
- REVIEW Past
- HCL

* WE NEED CREATIVE SOLUTIONS
FOR A LARGER (SAFER) UNDERGROUND
VAULT.

BRC

6

SUBDPU - SOLUTIONS ^{PREPARE REPORT.}

Pub ⁽⁴⁾

HOW FAR WILL I SMELL IT

SMELLS - Extra Concern / sensitive to chlorine
asthma - copd.

Ventilation
Carbon
Scrubber
to Filter.

Calcium - solves a footprint - is there a downsize
but they couldn't find one - may try
at a differe. EASIER to transmit

Sodium -> Calcium - no safety? / E

INTERIOR
MONITORING
SOURCE.

Will this eliminate a driveway
requirement

What happens? - no acid - small amount on site
is there an evacuation -
concern? No cloud.

What happens if there is an accident?
What is the security | What happens if terrorism
Fence or No Fence? What happens to
When there is a Flood

What is the total amount of
5 / 56 gallon bucket.

What happens if there is a spill
in transport.

WE presidents care about the city doesn't
-> City Council member Chris | Not correct.

IF they are the
causation
CONSIDER MOVING CHLOINE OFF SITE
ALL OF DOWN TOWN COULD PAY - IMPACT FEES

Solutions - SLDP4.

* REVIEW w/ state so if we agree to all the ideas they approve.

* Objects to anything ^{that} requires built above ground

* What are the decibels now?
to evaluate - will it be more or less

Will we notice any vibration?

Reduce FOOTPRINT ^{As much as possible}
3rd Party Review. this.

* Submersible Pump.
Bring as much creativity to this issue as possible.
minimize impact as possible.

Cost Benefit.

How do you measure the intangible.

Several year solution

- Where?
- Replum distribution / more pipe clogged utility corridor.
- water right change application state engineer.
- DRIVER -
↳ Electrical engineer.

↳ we could see the well fail.

~~for~~ more information ⇒ water distribution questions -

in transport.

WE presidents care about the city doesn't

↳ City Council member Chris | not correct.

Do we need define integrity

? What does integrity mean — ?

Building Size: Were glad the building
 But don't want to
Submersability issue - submersible and you
vicky fallen. want to store chlorine.

We may never like this — its a given.

Provide more info on submersable issue.

want a third party to assess.

Political economic.

what about the height? will it be diminished?

driver - ~~it~~ The height 14' HV hanging from ceiling

~~But~~ Because of side line -
will block siteline.

Ag 14' is daunting.

6:30 PM 2.5 - 3.00 HOURS *

Building Acshics.

MAINTAIN INTEGRITY -
Can we restrict the area
to avoid creep into park
in 30 years -

* WHAT WILL THE EFFECTS BE ON
NEIGHBORHOOD PARKING?

* HEIGHT - How do you minimize
the height? How tall
is it?
AND WHAT ARE THE EFFECTS OF THE
HEIGHT ON THE NEIGHBORHOOD.

* Why we can't move the chlorine off site?
3090 well design to understand.

* FORWARD REPORTS TO EVERYONE BEFORE
NEXT MEETING TO PREPARE.

↳ meeting summary

*

↳
2 Weeks - 3 weeks

CITIZEN-NEIGHBORHOOD VOLUNTEER MEETING NOTES & COMMENTS

The following should be considered an overview and not “minutes” or the official record of a meeting held October 22, 2019 in Salt Lake City, on the topic of the DPU’s 4th Avenue and Canyon Road water project. It was prepared by a Citizen-Neighborhood Volunteer.

Agenda from DPU	Comments, Discussion and Action Items
<p>6:30 – 6:40 Welcome & Remarks</p> <ul style="list-style-type: none"> • Welcome everyone and review the purpose of the meeting – Cindy Gubler, Partner, Wilkinson Ferrari & Co. • Salt Lake City Department of Public Utilities commitment to the city and community — Laura Briefer, Director, Salt Lake City Department of Public Utilities <p>Introduce facilitator Alexis Cairo – Cindy Gubler, Partner, Wilkinson Ferrari & Co</p>	<p>Meeting was convened 630 PM, 10/22/2019 at Garden Room of Memorial House in Memory Grove</p> <p>Attending</p> <p>Citizens:</p> <p>James Livingston, Lisa Livingston, Cecile Paskett, Kurt Fisher, John Russell, Leslie Russell, Winston Sellier, Linnea Noyes, Craig Ogan, Jill Van Langeveld, Carlisle Carroll, Phil Carroll, Vickey Walker</p> <p>SLC Elected Appointed Officials:</p> <p>Chris Wharton (councilmember), Austin Kimmel (council staff); Laura Briefer, Jesse Stewart, Brad Stewart, Jeff ?????, Holly Mullen from DPU; Kelsey Lindquist, SLC Planning</p> <p>Bowen Collins: Kirk Bagley</p> <p>Wilkinson et al: Emily Charles, Cindy Gubler and Alexis Cairo</p> <p>DPU Director Laura Briefer welcomed the group, said DPU was here to listen and hit the reset button on community engagement. She described the importance of the well in the City’s system, the need to upgrade for worker safety and continued viability of the well.</p> <p>Citizens replied that they have advocated fixing the well, making it safe for workers and wanted off-site, downstream chlorination and submersible pump to be seriously considered. It was conceded that off-site, downstream chlorination and submersible pumps would add expense. It</p>

	<p>was conceded that relocation was expensive and not as legally amenable as the plans under discussion.</p>
<p>6:40 – 6:55 Goals & Steps</p> <ul style="list-style-type: none"> • Review the goal of the working group meetings — Alexis Cairo, Facilitator • Review the steps to accomplish the working group goal and what is hoped to be accomplished during this first meeting — Alexis Cairo, Facilitator • Review the engagement timeline — Alexis Cairo, Facilitator 	<p>Alexis Cairo. Expressed the goal of the engagement is to create a workable solution and remove Citizens objections. A secondary goal was for Citizens to, “Know that you’ve been heard”.</p> <p>Citizens replied that the 09/25/2019 DPU memorandum to the City council suggested the solutions have already been determined. That a smaller building with above ground pumps and on-site chlorination has been decided. The Citizens recognized that DPU has the authority and funding to move forward with the published plan.</p>
<p>6:55 – 7:25 Identify & Capture Concerns & Solutions To-Date</p> <ul style="list-style-type: none"> • Post and acknowledge the project’s purpose and need, and the proposed project — Alexis Cairo, Facilitator • Review residents’ concerns raised during interview process and discussion to determine if new concerns should be added – Cindy Gubler, Partner, Wilkinson Ferrari & Co., Alexis Cairo, Facilitator & Attendees • Review residents’ solutions provided during interview process and discussion to determine if new solutions should be added – Cindy Gubler, Partner, Wilkinson Ferrari & Co., Alexis Cairo, Facilitator & Attendees • Review Salt Lake City Department of Public Utilities solutions explored recently and discussion — Jesse Stewart, Deputy Director, Salt Lake City 	<p>Alexis Cairo reviewed WFC 10-person survey and pointed out the number on concern expressed was maintaining “the integrity of the area”. Integrity was not defined and all agreed it should be defined.</p> <p>Citizens pointed out that the documentary predicate for the meeting was not complete.</p> <ul style="list-style-type: none"> • It did not contain any content analysis of the past 16 months of Citizen comment and testimony to City Council and comments and questions posted on DPU’s web site page dedicated to the 4th Avenue Project: (www.slc.gov/utilities/fourth-avenue-well-project/). • Citizens remarked that the notion of and outside engineering firm review suggested in City Council Budget resolution was dismissed by DPU as they were not clear of the review requirements. • Alexis Cairo requested the correct name and contact information Steven F. Bartlett Ph.D., P.E. Associate Chair Department of Civil and Environmental Engineering University of Utah, Asia Campus 119 Songdo Moonwha-Ro, Yeonsu-Gu Incheon, Korea 21985 bartlett@civil.utah.edu T +82.32.626.6146 (office) M 1.435.841.9837 (mobile) • An informal survey of Park users has been taken and will be provided to facilitator.

Will or Skill:

A discussion around the need to build a utility building versus “fixing up” exists, centered on:

- The density of building downtown driving the need to build a building and the Citizens suggestion that impact fees fund any over budget up grades.
- A Citizen claims the utility building in a dangerous flood and seismic zone and is subject to jeopardy in one of those catastrophes. **DPU didn't dispute or discuss this assertion.**
- DPU and BCA agreed with Citizen question, that with waivers and enough money they could engineer a pump to meet the “fix the well, make the well safe, use submersible pumps and downstream disinfection” desires of Citizens.
- Citizens assert that the decision is not one of engineering but one of Money and Political Will. Council Member Wharton indicated there was not political support of big changes to the DPU plan for the well, especially moving the well.

Other Concerns which went undiscussed and unacknowledged (with the exception of HazMat and Homeland Security issues):

- Citizens expressed concerns:
- Maintaining the building and landscape is a concern the site would come to resemble the DeSoto Street facility which neighbors consider an eye sore.
- Increased crime due to diminished sightlines.
- Loss of greenspace is an ever more crowded city and the loss of a scenic gateway to Memory Grove and City Creek Canyon.
- “HazMat” issues relating to malfunction.
- Homeland Security Issues (applying acid to the chlorine to cause a cloud.

Jesse Stewart discussed the current plan and presented:

- Site map showing a building at 474 sq/ft which is 29x16x14 feet. With the electrical enclosure in the back, that would be 587 feet which would be 37x16.
- At 587 sq/ft, this is about 20% less than the last “designed” iteration proposed by DPU and CRSA.
- HVAC will be cooled by well water eliminating size and noise.
- Flow meter will be in the underground vault.
- Building will be a “hardened” building but have no fence.
- Described previous deleting of on-site emergency generator from site plan.
- Explained the smaller foot print will protect trees.
- Revealed a different mode of disinfection, using a pelletized chlorine which will be hydrated on site.
- Asserts noise level will be at SL county regulation of 50 dB or less. (stream ambient noise level is estimated at 30 dB).
- It will require daily visit to the site for replenishment when operation. He claimed the possibility of spill and odor is very small, but if found to be noxious, DPU would install carbon scrubbers on the vents.
- He and the BCA associated engineer indicated re-sleeving the well would make it impossible to use a submersible pump due to the belief that an electrical upgrade to 480-volts is necessary.
- Jesse Steward did not answer the feasibility of downstream chlorination. He answered was that the well needs to be chlorinated at the point of it joining the water system (the well site).
- It was pointed out this is not what they now do or have ever done.
- Laura Briefer said consideration to moving the chlorination/pump to a nearby home was considered, but that the “current rights of way were already too full”. Citizens requested a full discussion as to how/why lines can be “too full”.

Electrical:

- Laura Briefer discussed need to upgrade electrical. She stated that RMPC will not support the current 2300 volt electrical set up with the new requirements and said there was a need to move to 480-volt system to support an above ground 480-volt above ground pump.
- Citizens disputed this assertion based on “informal” conversations with RMPC by an electrical engineer who is a property owner in the neighborhood. He has reported that RMPC will support 2300-volt systems and intends to do so as long as many of their customers use it. He also reports that this system can be specified from traditional suppliers from standing inventory.

Continued Delay of Construction:

	<p>Laura Briefer discussed that if the process becomes prolonged and if the well fails, due to its criticality, any future opportunity for public engagement might be lost. Since it’s an emergency, SLCPU may lose the ability to install the design as currently being pursued resulting in a less desired outcome (she called it a “quick and ugly fix”).</p>
<p>7:25 – 8:15 Group Solution Discussion</p> <ul style="list-style-type: none"> • Discussion to determine what information is still needed, where there is agreement, if there are solutions that can be pursued, identify challenges and disagreements — Alexis Cairo, Facilitator & Attendees 	<p>Alexis Cairo asked if there were items which we can agree on that can be removed. One Citizen was asked, personally, and the responded with “nothing can be removed as I oppose anything that results in putting a building in the park.” The citizen mentioned the Greater Avenues Community Council supported a motion that no building is appropriate in City Creek Parks.</p>
<p>8:15 – 8:30 Next Meeting Discussion & Wrap Up</p> <ul style="list-style-type: none"> • Discussion to identify focus of the next meeting and when the group can be ready to meet again — Alexis Cairo, Facilitator & Attendees • Wrap up and thank you — Laura Briefer, Director, Salt Lake City Department of Public Utilities 	<p>Next Step additional information:</p> <ul style="list-style-type: none"> • Alexis Cairo committed to having a more thorough content analysis conducted and sent to participants before next meeting. • Define “integrity of the area” and the impact of a relatively large utility building in such a small space. • Citizens will forward results from survey to facilitator. • Jesse Stewart committed to posting the footprint and engineering plan to the DPU website. • Laura Briefer committed to having a briefing on distribution of Fourth Ave. Well water to better understand the connection it serves. <ul style="list-style-type: none"> • Per distribution plan, DPU was asked to specifically respond to downstream distribution possibilities and challenges • Citizens to provide requirements for a third-party review of the engineer and plan. • Get a definitive ruling from RMPC on supporting current electrical system or need to upgrade. (Shane Franz needs to be invited to the next meeting to confirm the “third party” report of his findings). • Determine if flood and seismic hazard exist. <p>Consensus is that another meeting will be held and will feature:</p> <ul style="list-style-type: none"> • Better content analysis. • More detail on the new site plan.

- Include representatives of CRSA or other designers
- Discussion of downstream chlorination to eliminate need for a building.
- Discussion of submersible pumps to eliminate industrial sound and a need for a building
- A definitive statement on electrical support from RMPC
- Further discussion of Third-Party Review.
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A Citizen encouraged all parties to think as creatively as possible and listen and respond to all viewpoints.