



Agenda

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**PUBLIC UTILITIES COMMITTEE
MEETING
CITY COUNCIL CHAMBERS
200 Lincoln
WEDNESDAY, FEBRUARY 4, 2015
REGULAR MEETING – 5:00 P.M.**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE JANUARY 7, 2015 PUC MEETING

INFORMATIONAL ITEMS

6. Presentation of Wastewater Management Division's Raul Martinez and Augustin Ruiz receiving recognition from the New Mexico Water and Wastewater Association (NMWWA) as "Trainer of the Year" and "Operator of the Year. (Shannon Jones) 5 min.
7. Update on Current Water Supply Status and McClure Reservoir Construction. (Victor Archuleta, Alex Puglisi and Robert Jorgensen) 5 min.
8. Basin Study – Presentation of Draft Report on Climate Change and Water Availability. (William Schneider and Andrew Erdmann) 15 min.
9. Presentation of the KSFB/Graffiti Section. (Gilda Montano) 10 min.

CONSENT – INFORMATION ITEMS

10. Status Report on the Environmental Services Division. (Lawrence Garcia)
11. Drought, Monsoon and Water Resource Management Update. (Rick Carpenter)

CONSENT – ACTION CALENDAR

12. Request for approval of a Professional Services Agreement with EE&T for consulting services, regulatory compliance, and technical and operational services for the amount of \$30,000.00 exclusive of NMGR. (Alex Puglisi)

- a. Request for approval of a Budget Adjustment Request for the amount of \$124,969.33.

Finance Committee – 2/2/15
Public Utilities Committee – 2/4/15
City Council – 2/11/15

13. Request for approval of a 311 Pilot Project for the City of Santa Fe. (Sebastian Gurule)

Finance Committee – 1/20/15
Public Utilities Committee – 2/4/15
Public Utilities Committee – 2/9/15
City Council – 2/11/15

MATTERS FROM THE PUBLIC

MATTERS FROM THE CITY ATTORNEY

MATTERS FROM STAFF

MATTERS FROM THE COMMITTEE

NEXT MEETING: Wednesday, March 4, 2015

ADJOURN

PERSONS WITH DISABILITIES IN NEED OF ACCOMMODATIONS, CONTACT THE CITY CLERK'S OFFICE AT 505-955-6520, FIVE (5) WORKING DAYS PRIOR TO THE MEETING DATE.

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**MINUTES OF THE
CITY OF SANTA FE
PUBLIC UTILITIES COMMITTEE
Wednesday, February 4, 2015**

1. CALL TO ORDER

A meeting of the Public Utilities Committee was called to order by Councilor Christopher M. Rivera, Chair, at approximately 5:00 p.m., on Wednesday, February 4, 2015, in the Council Chambers, City Hall, Santa Fe, New Mexico.

2. ROLL CALL

MEMBERS PRESENT:

Councilor Christopher M. Rivera, Chair
Councilor Patti J. Bushee
Councilor Bill Dimas
Councilor Peter N. Ives
Councilor Joseph M. Maestas

OTHERS PRESENT:

Nick Schiavo, Public Utilities Director
Stephanie Lopez, Public Utilities
Marcos Martinez, Assistant City Attorney
Elizabeth Martin for Melessia Helberg, Stenographer

There was a quorum of the membership present for conducting official business.

NOTE: All items in the Committee packet for all agenda items are incorporated herewith to these minutes by reference. The original Committee packet is on file in the Public Utilities Department.

3. APPROVAL OF AGENDA

Mr. Schiavo asked to remove item 13 from the Consent-Action Calendar.

MOTION: Councilor Ives moved, seconded by Councilor Maestas, to approve the Agenda, as amended.

VOTE: The motion was approved unanimously on a voice vote.

4. APPROVAL OF CONSENT AGENDA

MOTION: Councilor Dimas moved, seconded by Councilor Maestas, to approve the following Consent Information Calendar and Consent Action Calendar, as amended.

VOTE: The motion was approved unanimously on a voice vote.

CONSENT – INFORMATION ITEMS

10. **STATUS REPORT ON THE ENVIRONMENTAL SERVICES DIVISION. (LAWRENCE GARCIA)**
11. **DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE. (RICK CARPENTER.**

CONSENT – ACTION CALENDAR

12. **REQUEST FOR APPROVAL OF A PROFESSIONAL SERVICES AGREEMENT WITH EE&T FOR CONSULTING SERVICES, REGULATORY COMPLIANCE, AND TECHNICAL AND OPERATIONAL SERVICES FOR THE AMOUNT OF \$30,000, EXCLUSIVE OF NMGR. (ALEX PUGLISI)**
 - A. **REQUEST FOR APPROVAL OF A BUDGET ADJUSTMENT REQUEST FOR THE AMOUNT OF \$124,969.33**
Review: Finance Committee 02/02/15; and City Council 02/11/15.
13. **REQUEST FOR APPROVAL OF A 311 PILOT PROJECT FOR THE CITY OF SANTA FE. (SEVASTIAN GURULE) Review:** Finance Committee 01/20/15; Public Utilities Committee 02/04/15; Public Works Committee 02/09/15; and City Council 02/11/15.
This item was removed from the agenda.

5. APPROVAL OF MINUTES FROM THE DECEMBER 3, 2014 PUC MEETING

MOTION: Councilor Maestas moved, seconded by Councilor Dimas, to approve the minutes of the Public Utilities Committee meeting of December 3, 2014, as presented.

VOTE: The motion was approved unanimously on a voice vote.

INFORMATIONAL ITEMS

6. PRESENTATION OF WASTEWATER MANAGEMENT DIVISION'S RAUL MARTINEZ AND AUGUSTIN RUIZ, RECEIVING RECOGNITION FROM THE NEW MEXICO WATER AND WASTEWATER ASSOCIATION (NMWWA) AS "TRAINER OF THE YEAR" AND "OPERATOR OF THE YEAR." (SHANNON JONES)

Shannon Jones, Director, Wastewater Division Director, said the New Mexico Water and Wastewater Association is a non-profit that exists to protect the public health and environment in water and wastewater utilities across New Mexico. The State adopted a plan to encourage operators of these facilities to have the proper certifications, which is now State law. He said one of the things they do is to give awards for excellence. This year the Association recognized two individuals from the Santa Fe Wastewater Management Division, Raul Martinez and Augustin Ruiz.

Mr. Jones introduced Augustin Ruiz and presented him with the Laboratory Analyst of the Year Award.

Mr. Ruiz thanked Mr. Jones and his supervisor for nominating him, and for taking the time to recognize them. He said he cherishes the award.

Mr. Jones introduced Raul Martinez, saying he received the Outstanding Wastewater Instructor Award as well as the most prestigious John Clark award for outstanding service to the Association.

Mr. Martinez said he owes thanks to a lot of people, including Mr. Schiavo. He thanked Mr. Jones for this recognition and said, "I was blown away" when I got the award. I am really honored. He said he has the responsibility of passing this on to someone next year.

Mr. Jones concluded saying these guys do a great job, and they are part of a great team.

Councilor Maestas these are part of our core services and unfortunately, services which most often are taken for granted. He said it is comforting to know that we are cultivating excellent staff to ensure we can care for these critical assets. He said he gets a lot of complaints but rarely about these utilities, and now he understands the reason. He said these two gentlemen should be very proud of this recognition by the City and your peers. He said, "You made me very proud today."

Councilor Dimas congratulated both Mr. Ruiz and Mr. Martinez, and thanked them for their service to the City. He said, "I am proud of both of you. You do an outstanding job for the citizens of Santa Fe, and you are both assets to the City. Congratulations for a job well done."

Councilor Ives said, "It is impressive that the good work that you do is clearly reflected across the State, and that is a strong testament to the skill, the intent and hard work that you bring to these positions and to the city of Santa Fe. And we have much to be proud of in the accomplishments you have been able to achieve, so bravo."

Chair Rivera congratulated both Mr. Ruiz and Mr. Martinez, saying these awards speak well of the City, and for you and your supervisors, and the organization as a whole. He said, "I'm really proud of all of you and what you're doing."

Chair Rivera continued, "I was able to visit Wastewater about a year ago, but I was truly impressed with the work you guys are doing, and to see the functions that go on out there, and how hard you work was really impressive. I'm glad Shannon came over to the City, and you inherited a good group, and I am glad to see that you are keeping up with that."

7. UPDATE ON CURRENT WATER SUPPLY STATUS AND McCLURE RESERVOIR CONSTRUCTION (VICTOR ARCHULETA, ALEX PUGLISI AND ROBERT JORGENSEN)

A copy of the Weekly Water Report for the week of January 18, 2015, and the McClure & Nichols Reservoir Infrastructure Improvements Update are contained in the Committee packet. Please see these documents for specifics of this presentation.

Alex Puglisi reviewed the update on the work on McClure & Nichols Reservoir, which is in the Committee packet. Please see this update for specifics of this presentation.

Councilor Maestas said in the presentation we are going to hear next, one of the recommendations was to conduct a water loss audit. He said he had asked for that to be reported so we can track that. He asked if we can calculate that in the meantime, comparing what we metered and what the wells and the BDD are producing.

Mr. Puglisi said they would have to compare customer usage to production, and there are a whole lot of factors between, that could contribute to losses – losses in the main lines, losses in the customer lines. He said they could do that, and would have to work with customer service to do that right now.

Councilor Maestas said one of the other recommendations was to further reduce our water use per capita which is very low, and he is unsure how much more water savings we can realize through that. It might be of benefit to identify the water loss in the system. He said, "I just want to put that out there. There is no need to discuss it now, but we should at least track that at this Committee."

Mr. Schneider said, regarding the water audit, currently we have an RFP out to acquire some expertise to do a detailed audit using AWWA protocol. That is something that will be accomplished this year, so we will be doing it systematically. We will be able to start providing that information in the future.

Councilor Bushee arrived at the meeting

Mr. Puglisi said we are changing our system of reporting, and we will be reporting their numbers, we'll report the wells on Canyon Road, and we always will be able to give you a total on BDD production, because they provide us with those numbers. However, in the future we are trying to better track our individual sources and independently track that and have that reflected in our reports to the State Engineer, so we are comparing apples to apples. To eliminate the confusion we are going to reporting by each facility.

Chair Rivera asked if any work is being done at McClure.

Mr. Jorgensen said basically we are waiting to resume construction, noting they are having a construction meeting tomorrow with the contractor. He said it is their option to start when weather permits.

8. BASIN STUDY – PRESENTATION OF DRAFT REPORT ON CLIMATE CHANGE AND WATER AVAILABILITY (ANDREW ERDMANN & BILL SCHNEIDER)

A copy of a power point presentation, *Projections of Current and Future Water Supply for the Santa Fe Basin*, prepared by Bill Schneider, on behalf of Public Utilities Team and Project Partners, dated February 4, 2015, is incorporated herewith to these minutes as Exhibit "1."

Bill Schneider, Water Resources Coordinator, said they met recently with Santa Fe County, Bureau of Reclamation, Sandia National Labs and CDM Smith the contractor, and reported the results of the Study to the Regional Director of BOR and the technical staff of the City and County. He said that presentation took about 2 hours, but he will provide an abbreviated form this evening. He said he will be glad to provide the details at your convenience.

Mr. Schneider introduced the partners in attendance: Claudia Borchert, Santa Fe County, Paul Karela, Albuquerque, Dagmar Llewellyn, Bureau of Reclamation and Jessie Roach, Sandia National Labs. He said, "We benefitted greatly from their participation."

Mr. Schneider presented information via power point. Please see Exhibit "1," for specifics of this presentation.

The Committee commented and asked questions as follows:

- Councilor Bushee said this is nice work. She said they have mentioned all kinds of strategies, and she is assuming price tags have been affixed to some of these strategies, such as aquifer storage and recovery, asking if this is an expensive process.

Mr. Schneider said the costs we have for these adaptations are very rudimentary. The studies we will be doing in the future, over the next 18 months, will provide accurate costs of all of the various adaptation strategies.

- Councilor Bushee said she is trying to understand the strategies that will offer the largest outcomes.

Mr. Schneider said he agrees, but those costs do not exist at this time.

- Councilor Bushee noted Colorado is at 51% of its average snowpack, and asked if this is what he would consider as a climate change – that we will get less and less water from Colorado.

Mr. Schneider said, "In terms of projections into the future, yes."

- Councilor Bushee said, regarding purple pipe, if we were to expand into new policies, people have contacted her in the past to allow flushing of toilets with purple pipe. She asked if this will controlled by the OSE or by the State.

Marcos Martinez, Assistant City Attorney, said, "My guess is that that is something the Environment Department would have some say in as well. But my sense is that they are not regulating *[inaudible]* forward looking right now. So, I'll look into it more."

- Councilor Bushee said she had been told it is a simple change at the City level, but these are people from the industry.
- Councilor Bushee asked about other conservation strategies, noting Albuquerque is much further along than we are.

Mr. Schneider said he would have to defer to Nick Schiavo and Laurie Trevizo, but outdoor water is a big component of the grant, and has to be part of the remedy moving forward.

- Councilor Bushee said several years back, there was an older gentleman that thought he would be able to treat a certain amount of effluent, and asked the status of that project.

Mr. Schneider said he has read some of those files, but said we will have those answers.

- Councilor Bushee asked about the San Juan Chama leases.

Mr. Schneider said several partners have water leases with the Bureau of Reclamation, and that water is being utilized primarily to support environmental flows. He said, "The answer to your question specifically is, the Jicarillas and other partners have water available if the City wishes to lease it.

- Councilor Bushee asked if that is cost effective.

Mr. Schneider said in the past it was, noting the Jicarilla lease is \$121 per afy. He said they will do a cost benefit study, including that storage.

- Councilor Bushee said the Country Club is using effluent. *[inaudible]*

Mr. Schneider said that is correct.

- Councilor Bushee asked if the plan would be to revisit past practices, and Mr. Schneider said yes.
- Councilor Bushee said she continues to believe we need to get Quail Run on effluent and asked Mr. Martinez to look into that.

- Councilor Maestas said this was a great presentation.
- **Disclosure:** Councilor Maestas said, "I want to state for the record that the Bureau of Reclamation did fund this but I did not have anything to do with it. I wasn't affiliated with the program or the offices that focused on the program."
- Councilor Maestas said this is fantastic, and really gives us a viable tool box. He said it would be good to explore some of the cost prohibitive issues, for example aquifer storage, noting a lot of it depends on geology. He said he sees a lot of costs, additional studies and a lot of time associated with reclaiming water. However, he does see some benefit in getting credit for your return flows. He asked if we have a partial credit.

Mr. Schneider said no. He said they negotiated with the OSE on that policy, and it is a tough negotiation. He said the OSE is putting very stringent monitoring requirements on the City to demonstrate that water is actually recharging, noting they are still negotiating strategy to accomplish that goal.

- Councilor Maestas said he doesn't know the cost to actually pipe it back to the Rio Grande, but he sees more benefit in return flow credits, because that affects what we can divert. He said, with regard to the new water adaptation strategies, he thinks pursuing additional San Juan/Chama water would be better for him, noting we have the diversion structure, and we have the capacity. He asked if this will impact the interstate compacts. He said the new water seems viable just on the basis of these strategies."
- Councilor Maestas continued saying you have been dealing with a change of policy with the Office of the State Engineer, and you are taking the user limited approach, particularly with the groundwater, the City well fields and Buckman. He asked Mr. Martinez if we could look at a scenario where we go full capacity on the well fields and substations, or if we look at a scenario to do full production of the City well fields and the Buckman well fields and then determine gaps. He asked Mr. Martinez if we should look at this at an alternative and calculating that gap.

Mr. Martinez said, "I think we do need to look at that. I do think at some point we will need to prove up those groundwater rights at least once, in order to have them available in the future as a drought reserve. *[inaudible]* I think we should seriously consider the logistics behind doing that."

- Councilor Maestas said he knows the State Engineer is going to initiate an update of all the regional water plans and will require certain uniform criteria, which he assumes will include population projections. He asked how that will impact us, noting we aren't bound by the

regional water plan. He asked if the results from this study will play into that plan. Are we going to adapt and incorporate the criteria from the State Engineers Office. He said the State Engineer announced this 8-9 months ago and he hasn't heard anything from the office. He said a lot of the regional water plans are upset that they had to accept the mandated set of criteria for updating the regional plan. He asked if anyone can comment on that.

Andrew Erdmann, Water Resources Coordinator, said he has been attending the Regional Water Planning meetings, but they are still preliminary. At this point there is some agreement that we need to have uniform criteria. He said we don't know what that would look like at this point. He said by continuing to be involved in this process we can work on that and try to accomplish the goals of the City as well as the Regional Plan. He said they have had only one meeting so far. He said the budget is such that most of the work will happen in the next fiscal year.

- Councilor Maestas said because the impact of climate change is less on imported water as opposed to native water, perhaps we should pursue more imported water to minimize the impacts of climate change as opposed to native water. He said he looks forward to them coming up with a solid action plan. The State Engineer's Office policy has always been use it or lose it, commenting it is likely that could happen. He said we may have to maximize our groundwater well production as well.
- Councilor Maestas thanked everyone for their hard work in this regard.
- Chair Rivera seems said it seems to him that the SWAN park has not been factored into the projections, and asked if there is a reason and/or if we're planning on doing other things.

Mr. Erdmann said "this" pie chart represents the users from last year, because SWAN Park hadn't come on line and started using water yet. The pipe has been built and the expectation is that it will come on line, so projections and adjustments will be made down the road, and SWAN Park will be in that.

Chair Rivera thanked them for their presentation.

9. PRESENTATION OF THE KSFB/GRAFFITI SECTION. (GILDA MONTANO)

Gilda Montano presented information from her report which is in the packet. Please see this document for specifics of this presentation.

The Committee commented and asked questions as follows:

- Councilor Bushee said she is looking forward to us being more proactive in tackling this problem. She said she still don't understand the difference between Ms. Montano's position and the Anti-Graffiti Coordinator.

Ms. Montano reiterated that she will be continuing her work with the Keep Santa Fe Beautiful Program. She said the Graffiti Coordinator handles the incoming calls on a daily basis, does a lot of the data entry on incoming calls, tracks locations, and works with the Police Department, so the Coordinator is doing a lot of that coordination. She said they work together on outreach and education.

- Councilor Bushee we have shifted these programs around, and she was hoping for more prevention. She said she assumes people use the Graffiti Hotline, but she doesn't know how well we promote it. She said we have an increased capacity to send someone around to look for graffiti and getting it taken care of.

Ms. Montano said they are asking City employees to help with that. She said the Coordinator will be involved in the outreach and education to help prevent graffiti. The goal is to get into the different areas of the summer programs to do some education, and that will part of the Coordinator's role as well.

- Councilor Bushee asked how have things changed by putting the Anti-Graffiti Section under Santa Fe Beautiful in terms of not being in the Police Department.

Ms. Montano said the whole idea behind the Resolution was to bring everyone together, because the Anti-Graffiti Coordinator was at the Police Department, the crew was with the Parks Division and there was a lack of communication. She said they did hire Lawrence Padilla who did an analysis of the Program, and his recommendation was to bring this effort "under one roof."

- Councilor Bushee asked if there were other recommendations.

Ms. Montano said one was to have a 501(c)(3) organization tied to it, and Santa Fe Beautiful had a 501(c)(3).

- Councilor Bushee said, "....then if I call in a report of graffiti, there will be someone cleaning up the graffiti."

Ms. Montano said if Councilor Bushee sees graffiti, it would great for her to report it.

- Councilor Bushee said what she was looking for, was to have a strategy for some of the down time during the winter Ms. Montano has referenced in past reports.

Ms. Montano said their goal is when there is bad weather and they can't be out spraying and painting, the strategy is to have them go out and look for sites. Then when they can go out, they already have work orders made up to back and take care of the graffiti.

- Councilor Bushee asked if there has been work in trying to criminalize graffiti to some extent to try to stop graffiti.

Ms. Montano they are working with the Police Department to do more stake outs in the areas that are being hit all the time. She said two people were just caught when a Police Officer saw their car parked next to a concession stand. They were charged and arrested.

- Councilor Bushee asked if that was because of the cameras.

Ms. Montano said no, they just happened to see their car parked next to the concession stand.

- Councilor Bushee asked if Ms. Montano could give a report through Michelle telling us exactly how well that Ordinance is working.

Ms. Montano said they are really pushing that, noting they have a liaison with whom they are working at the Police Department.

- Councilor Bushee said she heard that under this Police Chief, they are trying to do a program she brought forward years ago called Citizens On Patrol [COPs program], with the idea that you put citizens on the phones to call in low level crimes like that. She said she is just looking for ways to beef that up. She said she would love to see a concerted effort and more prevention.

- Chair Rivera thanked Ms. Montano for the presentation, saying he thinks she is doing a fine job.

CONSENT CALENDAR DISCUSSION

No items were removed from consent for discussion.

MATTERS FROM THE PUBLIC

There were no items from the public.

MATTERS FROM THE CITY ATTORNEY

There were no matters from the City Attorney.

ITEMS FROM STAFF

A copy of a letter to Domestic Well Owners within the City, with attached reporting form, to be sent by the Water Division, is incorporated herewith to these minutes as Exhibit "2."

Mr. Schiavo said he handed out a letter to the Committee [Exhibit "2"], which we are going to send out to all our domestic well users requesting them to log monthly use. He said this is just a heads up to let you know what we are doing in the event you get any telephone calls.

Councilor Bushee asked the number of domestic well users we know about in the City and County, and if we can ask the County to do the same thing.

Mr. Erdmann they will be sending the letters to domestic well users which we have licensed through the City's program, which is only about 36 people. He said, "We think there are something like 800 wells total in the City, based on the State Engineer's data primarily and census data. A lot of wells predate the State Engineer's Office requirements."

Councilor Bushee said she knows this does not include the County, but she knows, by law, the County is supposed to do something similar. She asked if the City can work with Claudia Borchert at the County to do a cooperative effort to get this done in the County.

Mr. Schiavo said they definitely can coordinate with Sant Fe county. He said Mr. Erdmann said this is a requirement of the Office of the State Engineer.

Councilor Bushee said it is a requirement, but it is not enforced.

Mr. Schiavo said we are asking for this information voluntarily, but they certainly can coordinate with Ms. Borchert at the County, and ask her if she is willing to do the research on the number of people who have wells that are required to report usage.

Councilor Maestas asked if we know how many of these domestic well owners are connected to the City water system. He asked if there are other special requirements, either water rights transfer, or monetary payment when they connect to the City. He asked if we should use this as a leverage to get a handle on the licensing of these domestic well owners that are connected to our water system.

Mr. Schiavo said it is his understanding that for an existing well owner in Santa Fe, that we cannot make them abandon their well.

Councilor Maestas asked if it is possible to obtain a list of active domestic well permits in the City of Santa Fe from the State Engineer so we can do a cross-check of water utility customers with domestic wells.

Mr. Schiavo said, "Actually, we're already done that, and Andrew has that list, which is 800."

Mr. Erdmann said not all of the 800 are people who also are accepting City water, but they could do that comparison.

Councilor Maestas asked if the City can mandate metering of wells for those getting water from both sources. Are we preempted by State law, is that the reason.

Mr. Erdmann said the law was enacted in 1956, and a significant portion of the domestic wells in the City are before 1956. The legality of going after the others is complicated. He said, in terms of the things that happened after that, we could check the record to see if people are complying with the requirements with the State Engineer's Office.

Councilor Maestas said then, of the 800 wells we think are being used, you are unsure which ones are pre-basin. He asked if we can get that information from the Office of the State Engineer.

Mr. Erdmann said yes.

Councilor Maestas said, "I would advise that we go through that exercise. Our hands are tied by State law from taking action on the domestic well owners that are using the well and connected to our water system. He thinks it is worth exploring. He asked Mr. Martinez if we have looked at that already.

Mr. Martinez said they haven't really looked at that. He said basically, the City was the first municipality to have a Domestic Well Ordinance in 1999. He said it was challenged and it took 9 years to resolve, and during that time the Legislature acted. He said, "Your question I think is

interesting, and probably is within the power of the City, but we haven't enacted an ordinance to require the metering of existing wells within the City."

Councilor Maestas suggested the next time we do this audit, that we obtain the records on the some 800 wells, and verify whether they are pre-basin, and see what that number is. He said it may not be a large number and not worth pursuing, but if it is 400 or more, perhaps it is. He said this would be his suggestion, and asked Mr. Schiavo if he thinks it would be worth doing this exercise to get more information on the domestic well owners.

Mr. Schiavo said yes, but we would have to go through and pull each file and get a feeling of the value of metering.

Councilor Ives said a study was done previously, which showed 711 wells permitted through the State Engineer's Office that fall within the City's jurisdiction. He said perhaps the 800 number comes through the annexation. He believes the information was verified through the State Engineer's Office and the City may have that information. He said a group of people on the Water Conservation Committee have been looking at the domestic wells and have been urging doing this letter for some time. They have never gotten "terribly clear about what authority the City can project over people who have wells that existed prior to the City putting in its own Ordinance, which has up to 36 people, a minimum number. And Marcos, interesting hearing you say that we might have some possible projection of power over folks post declaration of the basin."

Mr. Martinez said, "My comment was to require metering. I think the questions I've received from the Conservation Committee are whether we can take those rights away."

Councilor Ives said metering has been in that mix too, because taking 711 wells, at 3 afy is 2,100 afy, which is a huge amount of water. He said in terms of senior water rights, the City's rights are senior except those for the several acequias that we ceded priority to under prior litigation in the State Engineer's office. He said there has to be a hydrological connection between the Santa Fe River and any well here in Santa Fe. He thinks on that basis alone, we should be able to project some power through the Aamodt case which is the adjudication of the Santa Fe River. It potentially would be very expensive and certainly very controversial, but he thinks there are mechanisms out there. He said, "I think it's safe to say that we would have to have a real, clear focus for our intentions in that regard before spending much money, time and effort in doing that."

Councilor Maestas said he doesn't think it will cost much to get the additional information on the domestic well owners, and maybe we can use it as leverage for future City actions. He said he doesn't want to come down hard right away, but he believes we can use our leverage to get a handle on this issue.

Mr. Schiavo said one of things he thought about, is that instead of a stick we could have more of a carrot approach. He said we charge a fee associated with water rights and a connection, and also a utility expansion charge. We could look at waiving some or all of the fees to get someone to abandon their well and hook up to our system. He said the stormwater fee is based on water use, and we don't know how much water they are using. If they are doing a domestic well and the City water system, they are getting a good deal with a nominal fee. This is another area we can look at. He said, "I say let's take that next step and get the information and then we can weigh our options."

MATTERS FROM THE COMMITTEE

A copy of "Bills and Resolutions scheduled for introduction by members of the Governing Body," for the Public Utilities meeting of February 4, 2015, is incorporated herewith to these minutes as Exhibit "3."

Councilor Ives said, "To follow up on Councilor Maestas's last notion, we do charge a Stormwater fee, and I think that funding has been directed into the General Fund over the past few years, if I'm not mistaken. I'm happy to delay that conversation, but I'll just say that is an issue that is much on my mind."

Mr. Schiavo said, "Councilor Maestas did ask about this. And I have worked with Finance, and it does go into a business unit that is in the General Fund, but it is going to Stormwater within the Public Works Department."

Councilor Maestas said, "I think, along with the information that was sent to me, was a spread sheet showing all the expenditures, and it went back 4-5 fiscal years. But it seems to me, and I'm not an accountant, but the lion's share is going for salaries which is about 99%, and I think in Parks and Streets. And the actual legislation lists the allowable uses of the revenue, and the first two relate to capital outlay, infrastructure, and yes, down the line on the list is enforcing the ordinance, more qualitative costs. But it seems we're using almost the entire amount of those funds on salaries."

Councilor Maestas continued, "And so, I think during the budget process, we're going to have to maybe make a decision to change that practice. And while we discuss that, look at our stormwater system, which includes arroyos. I think we're deferring work on those to fund salaries, and we're kind of trying to end those practices here at the Finance Committee. This is an example of where we need to come up with a process to transition this practice out, or end it and come up with a solution. I don't want folks to lose their jobs, but I think we need to be realistic."

Councilor Ives said, "I would certainly join you in that. I know from having sat with our Stormwater staff yesterday that they are mapping incidents where we are mapping 500 year flood flows, which has a .02% occurrence, but our events seem to be more dramatic and more intense. I would not agree with you more that it is time to look at what we're doing with stormwater much more seriously."

Councilor Maestas said, "Part and parcel with that, since we are going to resume these joint City/County meetings, the County would be the only entity with statutory taxation authority for flood control, and maybe we should talk about creating a Flood Commissioner position and we can engage in further discussion about perhaps setting up a joint City/County flood control authority. I just saw a list of all the erosion problems. There are arroyos and trails that are in danger right now because of erosion. They're very close to certain homes. I don't even know if there are infrastructure lines that could be exposed or may be exposed soon, and we're not really equipped, I think in terms of our revenue structure to address all those arroyos. I think Councilor Ives has already found out how difficult it can be when we have these high flows. Let's work on changing the practice and start thinking long term about some type of flood control authority and funding mechanisms that I think should involve the County."

Councilor Bushee asked that Mr. Martinez follow up with her on the two legal questions she asked.

Chair Rivera asked Mr. Martinez to send those answers to the entire Public Works Committee so we're all on the same page.

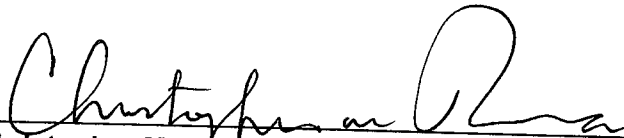
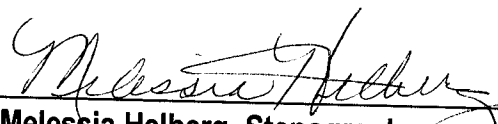
Councilor Maestas introduced the following:

A Resolution supporting proposed State legislation, House Bill 92 (HB92) – relating to capital expenditures; creating a fund; authorizing the issuance of Severance Tax bonds for transportation projects and making an appropriation. A copy of the Resolution is incorporated herewith to these minutes as Exhibit "4."

NEXT MEETING: WEDNESDAY, MARCH 4, 2015.

ADJOURN

There was no further business to come before the Committee, and the meeting was adjourned at approximately 6:45 p.m.


Christopher M. Rivera, Chair
Melessia Helberg, Stenographer

1/12/2015

Projections of Current and Future Water Supply for the Santa Fe Basin

Public Utilities Committee
4 February 2015

Bill Schneider, P.G. on behalf of Public Utilities Team and
Project Partners



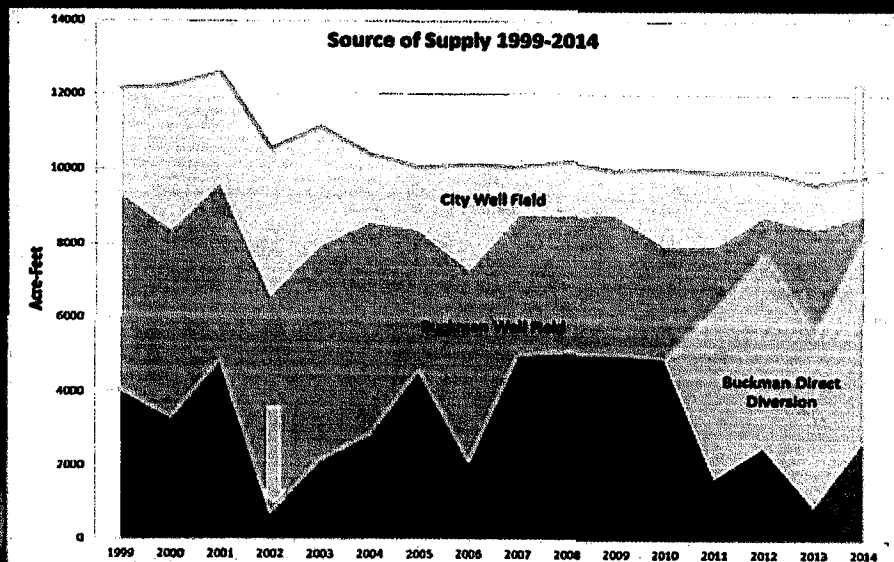
Outline

- 2014 Water Supply Summary
- Basin Study Report
- Planning for the Future



Exhibit "J"

Water Supply 1999-2014



San Juan-Chama Project Storage, Dec-2014



HERON
• 5,849 AF*

EL VADO
• 8,414 AF

ABIQUIU
• 2,667 AF



Key Components of Basin Study

Santa Fe Basin Study: Adaptations to Projected Changes in Water Supply and Demand

Draft Summary Report

Santa Fe Basin, New Mexico



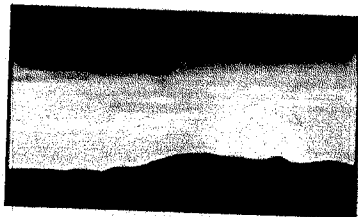
- Preliminary Assessment and public outreach
- Evaluation of water supply and demand for City-County combined water system in 2055, based on climate and population projections
- Assessment of surface-water reliability, 2055.
- Evaluation of proposed adaptation strategies

Preliminary Assessment

October, 2012

Climate Change and the Santa Fe Watershed: A Preliminary Assessment

Bureau of Reclamation WaterSMART Program Initiative



Prepared for:

Bureau of Reclamation

City of Santa Fe

Santa Fe County

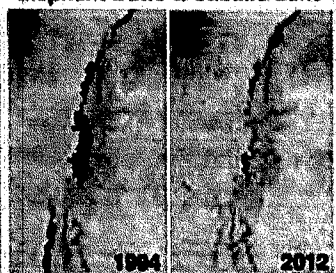


Stakeholder participation

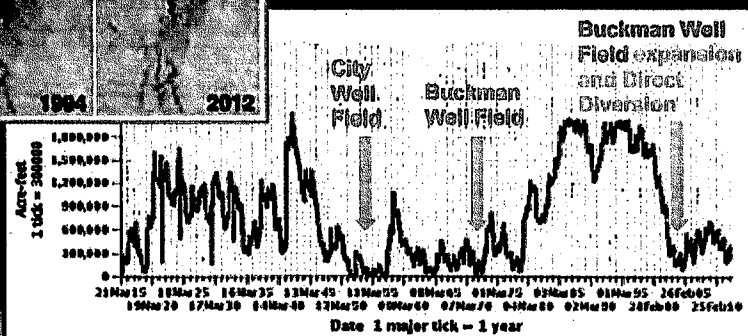
- Watershed vulnerabilities
- Brainstorm of adaptation strategies for watershed, ecosystem, food security, transportation, quality of life...
- Assessment of adaptation actions already underway in the community.

Historic Climate Variability

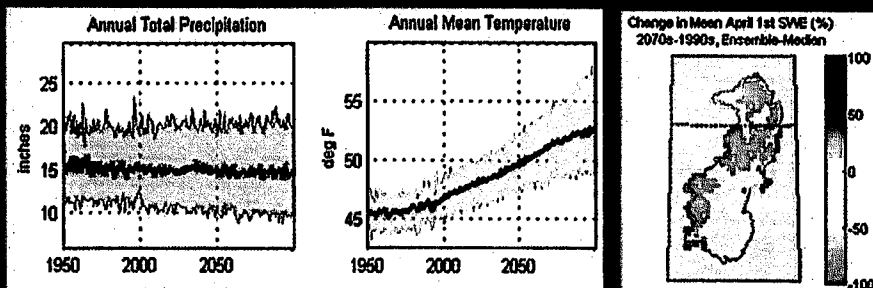
Elephant Butte & Caballo Lake



New water supply sources added during times of drought



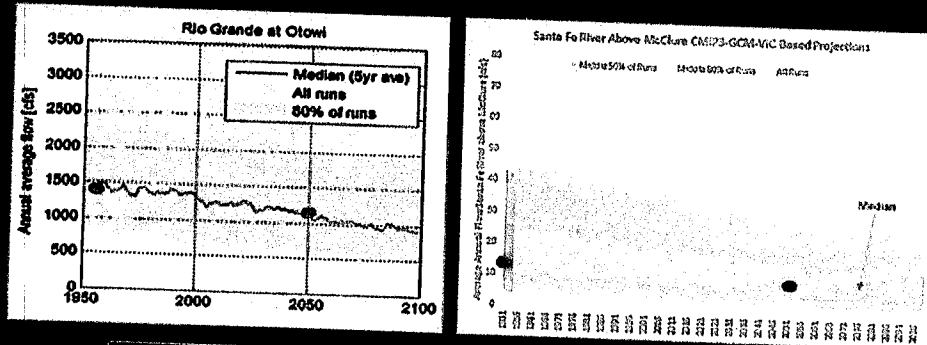
Projected Climate Changes



Key Takeaways:

- Upward of 75% Snowpack Reduction by the 2070s
- 5 Degree F Temperature Increase by 2050
- Higher Evapotranspiration Rates
- Potentially Greater Monsoonal Intensity

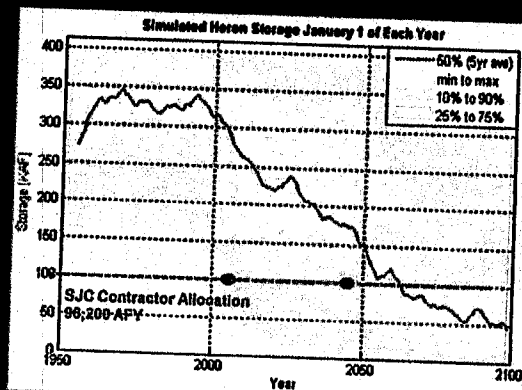
Projected Native River Flows



Key Takeaway (2055):

- ~33% average decline in availability of the native (Santa Fe Watershed and Rio Grande) surface-water supply

Projected Changes to San Juan-Chama Project Allotments



Key Takeaways (2055)

- San Juan-Chama Project water shows greater reliability than native surface water
- 25% Decline in Project Water Availability
- Initial (Jan. 1) Allocations Diminish over Time

Adaptation Strategies



Conservation

- Irrigation Efficiencies
- Technology Upgrades
- Line Loss Prevention
- Rebates

Reclaimed Water

- Potable Use via BDD
- Return Flow Credits via BDD
- Aquifer Storage and Recovery
- Gray Water

Living River ASR

Storm Water ASR

SJCP Leases

Purchase MRG SW Rights

Testing Adaptation Strategy Portfolios using WaterMAPs

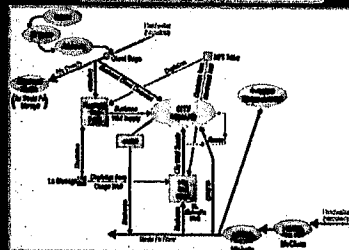
Adaptation Strategies Feasibility Assessment

Reliability Screening

Fill Supply Gaps
Sustainable Groundwater Pumping
Annual Deficit less than 2000 AF
90% of years, deficits are less than 100 AFY

Performance Screening

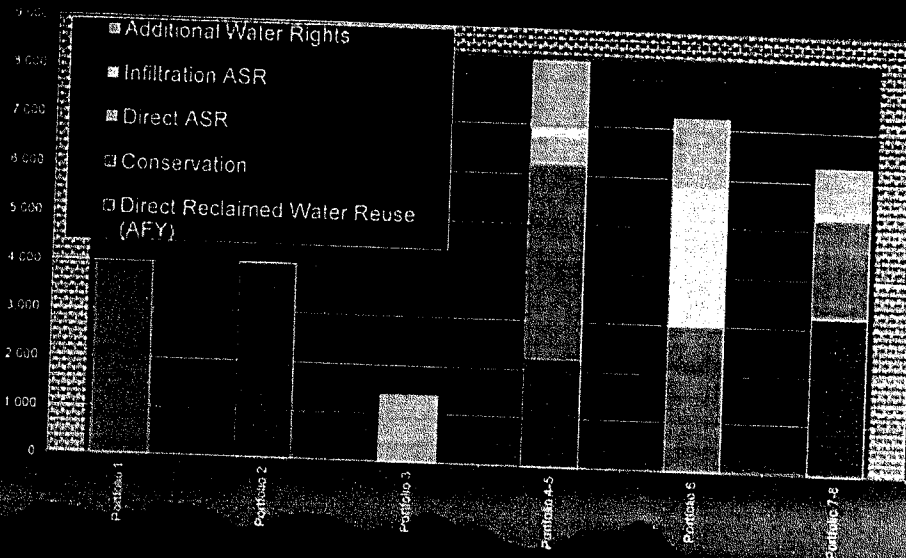
Weighted Criteria and Scoring



Projected Gap between Water Supply and Demand (2055)

Santa Fe Basin Projected 2055 Water Supply Gap				
	Climate Scenario			
	Simulated Historic (no climate change)	Central Tendency	Warm- Wet	Hot-Dry
Total Demand - Average Annual (AFY)	21,643	22,825	22,646	23,299
Total Supply - Average Annual (AFY)	18,488	15,550	16,304	13,978
Water Supply Gap - Difference between Demand and Supply (AFY)	-5,155		-6,342	-9,323

Adaptation Portfolios



Basin Study Key Findings

- Considerable uncertainty remains regarding future climate and its impacts
 - Projected surface water supply shortfalls of 20-35%
- No single adaptation solution alone is sufficient to address the projected supply gap
 - Combination of strategies required
 - Additional monitoring and data analysis and future refinements
- More Conservation will be needed
 - Further reductions in GPCD (20% target)
- Increased use of reclaimed water will be a key adaptation
 - 3 highest ranked portfolios emphasized reclaimed water

Planning for Adaptation 2015 Grant Funding

- **BOR: Title XVI Water Reuse Program - \$132,000** (awarded)
 - "Providing for Santa Fe Basin's Future Water Supplies Needs: A Feasibility Study to Optimize the Use of Regional Reclaimed Wastewater"
- **EPA: National Climate Research - \$850,000** (shortlisted)
 - "Managing forested watersheds for both water and fire during drought"
- **WRRF: Water Reuse Research Foundation \$50,000**
 - "Comprehensive Analysis (Triple Bottom Line) of Alternative Water Supply Projects Compared to Direct Potable Reuse"

Planning for Adaptation 2015 Monitoring, Analysis, and Refinements

- Reclaimed Wastewater Feasibility Study
- Water Loss Audit
- Long Range Water Supply Plan Update (2008)
- Well Field Sustainability Analyses*
- Aquifer Storage and Recovery Preliminary Assessment**

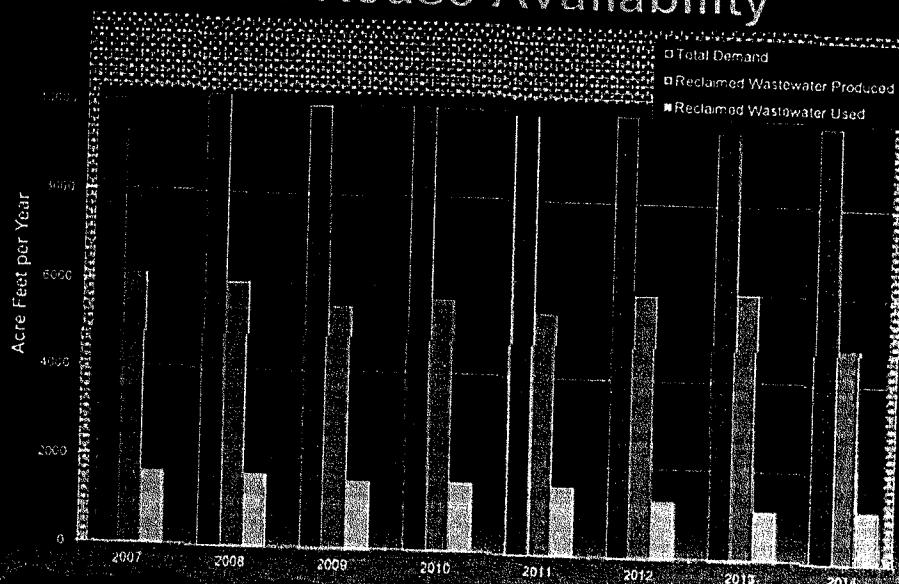
CDM



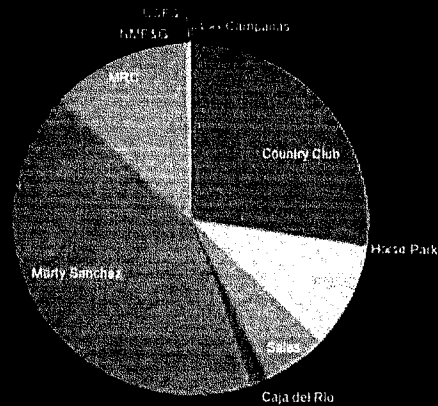
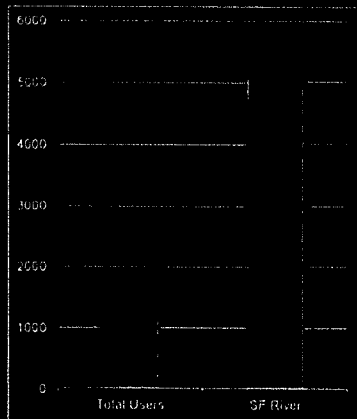
Long-Range Water Supply Plan



Water Reuse Availability



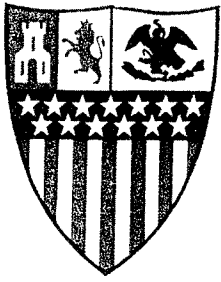
Water Reuse and SF River Releases



Ensuring Future Water Supply for the Santa Fe Basin

Thank You!
Questions?





City of Santa Fe, New Mexico

200 Lincoln Avenue, P.O. Box 909, Santa Fe, N.M. 87504-0909

Javier M. Gonzales, Mayor

Councilors:

Patti J. Bushee, Dist. 1
Signe I. Lindell, Dist. 1
Peter N. Ives, Dist. 2
Joseph M. Maestas, Dist. 2
Carmichael A. Dominguez, Dist. 3
Christopher M. Rivera, Dist. 3
Ronald S. Trujillo, Dist. 4
Bill Dimas, Dist. 4

February 4, 2015

Dear Domestic Well Owner,

I am writing on behalf of the City of Santa Fe Water Division regarding the domestic well which we show as licensed under City Domestic Well License # _____ to serve a home at _____. The purpose of this letter is to remind all of the domestic well owners licensed by the City of Santa Fe of the obligations associated with continuing to hold that license, including the requirement that the well owner shall take monthly meter readings and submit them to the Water Division by February 1 of each year. This requirement is part of the conditions of approval associated with the original domestic well application filed with the City Water Division, a copy of which is included with this letter.

A form on which readings can be collected and reported is included with this letter, and additional copies are available on the City of Santa Fe website at www.santafenm.gov/water_division. Readings may be submitted either electronically to Andrew Erdmann at paerdmann@santafenm.gov, by fax at 505.955.4275, or as hard copies dropped off or mailed to the City Water Division at:

801 W. San Mateo
Santa Fe, NM
87505

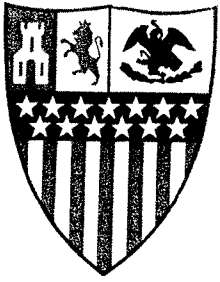
As a reminder, water from domestic wells licensed by the City of Santa Fe is subject to all municipal rules governing water conservation including restrictions on outdoor watering and eligibility for rebate programs.

If you have any questions related to the meter reading and reporting, or any other questions about the laws associated with your domestic well license, call Andrew Erdmann at 505.955.4204.

Sincerely,

Andrew Erdmann, Water Resources Coordinator

Exhibit "2"



City of Santa Fe –

Annual Reporting Form Domestic Wells Licensed by the City of Santa Fe

Well Owner Name:

Address of Well Location:

City of Santa Fe Permit No. (20##-0##):

**Office of the State Engineer File No.
(RG-#):**

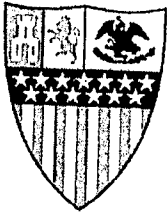
Calendar Year for Meter Readings:

**Meter Units (Gallons, Tenths-of-Gallons,
Tens-of-Gallons, etc.):**

Month	Date Collected	Monthly Meter Reading
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

Signed by:

Date Signed:



PUBLIC UTILITIES COMMITTEE MEETING OF
February 4, 2015
BILLS AND RESOLUTIONS SCHEDULED FOR INTRODUCTION
BY MEMBERS OF THE GOVERNING BODY

Mayor Javier Gonzales		
Co-Sponsors	Title	Tentative Committee Schedule
Councilor Patti Bushee		
Co-Sponsors	Title	Tentative Committee Schedule
Councilor Bill Dimas		
Co-Sponsors	Title	Tentative Committee Schedule
Councilor Carmichael Dominguez		
Co-Sponsors	Title	Tentative Committee Schedule

Councilor Peter Ives		
Co-Sponsors	Title	Tentative Committee Schedule
Councilor Signe Lindell		
Co-Sponsors	Title	Tentative Committee Schedule

Councilor Joseph Maestas		
Co-Sponsors	Title	Tentative Committee Schedule
	A RESOLUTION SUPPORTING PROPOSED STATE LEGISLATION, HOUSE BILL 92 (HB 92) - RELATING TO CAPITAL EXPENDITURES; CREATING A FUND; AUTHORIZING THE ISSUANCE OF SEVERANCE TAX BONDS FOR TRANSPORTATION PROJECTS AND MAKING AN APPROPRIATION.	City Council - 2/11/15

Councilor Chris Rivera		
Co-Sponsors	Title	Tentative Committee Schedule
Councilor Ron Trujillo		
Co-Sponsors	Title	Tentative Committee Schedule

Introduced legislation will be posted on the City Attorney's website, under legislative services. If you would like to review the legislation prior to that time or you would like to be a co-sponsor, please contact Melissa Byers, (505)955-6518, mdbyers@santafenm.gov or Rebecca Seligman at (505)955-6501, rxseligman@santafenm.gov .

CITY OF SANTA FE, NEW MEXICO

RESOLUTION NO. 2015-_____

INTRODUCED BY:

Councilor Joseph Maestas

A RESOLUTION

SUPPORTING PROPOSED STATE LEGISLATION, HOUSE BILL 92 (HB 92) – RELATING TO CAPITAL EXPENDITURES; CREATING A FUND; AUTHORIZING THE ISSUANCE OF SEVERANCE TAX BONDS FOR TRANSPORTATION PROJECTS AND MAKING AN APPROPRIATION.

WHEREAS, the 60 day session of the 2015 Legislative Session began on January 20, 2015;
and

WHEREAS, the Governing Body of the City of Santa Fe desires to support HB 92, relating to capital expenditures; creating a fund and authorizing the issuance of severance tax bonds for transportation projects; and

WHEREAS, HB 92 proposes that by August 1 of each year, the economic development department shall identify and create a list of projects within the statewide transportation improvement plan that are critical to local economic development or the development of energy mineral resources;
and

WHEREAS, HB 92 would create an “economic growth and energy development

1 transportation fund” in the state treasury with funds to be administered by the department of
2 transportation.

3 **NOW, THEREFORE BE IT RESOLVED BY THE GOVERNING BODY OF THE**
4 **CITY OF SANTA FE** that the Governing Body hereby supports HB 92 relating to capital
5 expenditures; creating the economic growth and energy development transportation fund and
6 authorizing the issuance of severance tax bonds for transportation projects.

7 **BE IT FURTHER RESOLVED** that the City Clerk is directed to forward a copy of this
8 resolution to the City of Santa Fe lobbyist and the City of Santa Fe State Legislative Delegation.

9 PASSED, APPROVED, and ADOPTED this _____ day of _____, 2015.

10
11 _____
12 JAVIER M. GONZALES, MAYOR

13 ATTEST:

14
15 _____
16 YOLANDA Y. VIGIL, CITY CLERK

17 APPROVED AS TO FORM:

18
19 _____
20 KELLEY A. BRENNAN, CITY ATTORNEY