

ACTION SHEET
ITEM FROM FINANCE COMMITTEE MEETING OF 10/19/15
FOR CITY COUNCIL MEETING OF 10/28/15

ISSUE:

16. Request for Approval of a Resolution Directing Staff to Research and Report on Development of a Rain Water Harvesting and Water Catchment Program Associated with Residential, Commercial and City-Owned Buildings and Property. (Councilors Ives and Bushee) (Caryn Grosse)

Committee Review:

Public Utilities Committee (approved)	10/07/15
Public Works Committee (approved)	10/13/15
City Council (scheduled)	10/28/15

Fiscal Impact – No

FINANCE COMMITTEE ACTION:

Approved as Consent item.

FUNDING SOURCE:

SPECIAL CONDITIONS OR AMENDMENTS

STAFF FOLLOW-UP:

VOTE	FOR	AGAINST	ABSTAIN
COUNCILOR TRUJILLO	X		
COUNCILOR RIVERA	X		
COUNCILOR LINDELL	Excused		
COUNCILOR MAESTAS	X		
CHAIRPERSON DOMINGUEZ			

4-13-15

**ACTION SHEET
ITEM FROM THE
PUBLIC WORKS/CIP AND LAND USE COMMITTEE MEETING
OF
TUESDAY, OCTOBER 13, 2015**

ITEM 12

REQUEST FOR APPROVAL OF A RESOLUTION DIRECTING STAFF TO RESEARCH AND REPORT ON DEVELOPMENT OF A RAIN WATER HARVESTING AND WATER CATCHMENT PROGRAM ASSOCIATED WITH RESIDENTIAL, COMMERCIAL AND CITY-OWNED BUILDINGS AND PROPERTY **(COUNCILORS IVES AND BUSHEE) (CARYN GROSSE)**

PUBLIC WORKS COMMITTEE ACTION: Approved on Consent

FUNDING SOURCE:

SPECIAL CONDITIONS / AMENDMENTS / STAFF FOLLOW UP:

VOTE	FOR	AGAINST	ABSTAIN
CHAIRPERSON TRUJILLO			
COUNCILOR BUSHEE	Excused		
COUNCILOR DIMAS	Excused		
COUNCILOR DOMINGUEZ	X		
COUNCILOR IVES	X		

Item #12

ACTION SHEET
PUBLIC UTILITIES COMMITTEE MEETING OF 10/7/15

ISSUE NO. 13

Request for approval of Resolution No. 2015-_____. A resolution directing staff to research and report on development of a rain water harvesting and water catchment program associated with residential, commercial and city-owned buildings and property. (Councilor Ives) (Caryn Grosse)

Public Utilities Committee – 10/7/15
Public Works Committee – 10/13/15
Finance Committee – 10/19/15
City Council – 10/28/15

PUBLIC UTILITIES COMMITTEE ACTION: Approved to forward to 10/13/15 Public Works Committee.

SPECIAL CONDITIONS OR AMENDMENTS:

STAFF FOLLOW UP:

VOTE:	FOR	AGAINST	ABSTAIN
COUNCILOR RIVERA, CHAIR	X		
COUNCILOR MAESTAS	X		
COUNCILOR BUSHEE	X		
COUNCILOR DIMAS	Excused		
COUNCILOR IVES	Excused		

City of Santa Fe, New Mexico

LEGISLATIVE SUMMARY

Resolution No. 2015-____
City Water Catchment

SPONSOR(S): Councilor Ives

SUMMARY: The proposed resolution directs staff to research and report back within 60 days on development of a rainwater harvesting and catchment program for commercial, residential and city-owned buildings and property.

PREPARED BY: Jesse Guillen, Legislative Liaison

FISCAL IMPACT: No

DATE: September 21, 2015

ATTACHMENTS: Resolution
FIR

1 CITY OF SANTA FE, NEW MEXICO

2 RESOLUTION NO. 2015-__

3 INTRODUCED BY:

4
5 Councilor Peter N. Ives

6 Councilor Patti J. Bushee

7
8
9
10 A RESOLUTION

11 DIRECTING STAFF TO RESEARCH AND REPORT ON DEVELOPMENT OF A RAIN
12 WATER HARVESTING AND WATER CATCHMENT PROGRAM ASSOCIATED
13 WITH RESIDENTIAL, COMMERCIAL AND CITY-OWNED BUILDINGS AND
14 PROPERTY.

15
16 WHEREAS, the City of Santa Fe and the State of New Mexico have been in drought
17 conditions for many years, putting strains on available water resources; and

18 WHEREAS, when it rains, rainwater is neither captured nor used productively to address
19 drought conditions; and

20 WHEREAS, within the limits of the City of Santa Fe, the footprint of residential
21 building is approximately 63,596,037 square feet; the footprint of commercial buildings is
22 23,621,704 square feet; and the footprint of governmental buildings, including those of the City
23 of Santa Fe, is 2,276,137 square feet; and

24 WHEREAS, assuming an annual rainfall of 12 inches, which equals 7.9 gallons per
25 square foot, the amount of rain that falls annually in gallons and acre feet on each of these three

1 types of structures is as follows:

2	<u>TYPE</u>	<u>GALLONS</u>	<u>ACRE FEET</u>
3	Residential	476,970,277.5	1464
4	Commercial	177,162,780	544
5	<u>Governmental</u>	<u>17,071,027.5</u>	<u>52</u>
6	TOTAL	730,510,537	2060

7
8 **WHEREAS**, 2060 acre feet of water is approximately twenty percent (20%) of the
9 10,000 acre feet, more or less, of water used annually by the entire City of Santa Fe; and

10 **WHEREAS**, the City should explore all available means to encourage and incentivize
11 private individuals, commercial enterprises and the government to capture and use the rainwater
12 resources that fall upon the City of Santa Fe; and

13 **WHEREAS**, the City should work to ensure the availability of all supplies of water to
14 the citizens and businesses and other who live and work in Santa Fe; and

15 **WHEREAS**, the City will ensure its long term sustainability and build resiliency within
16 the City of Santa Fe by ensuring that all who live and work here have available to them as many
17 sources of water as possible; and

18 **WHEREAS**, encouraging individual homeowners and business to participate in
19 capturing and using water, the impact of any failure in the ability of the City's water utility to
20 deliver water will be lessened, evidencing the increased resiliency of the City of Santa Fe; and

21 **WHEREAS**, encouraging the use of rainwater in such ways as will increase the quantity
22 of rainwater that is put into the sewers of Santa Fe and thereby increase the amount of reclaimed
23 wastewater that is treated by the Santa Fe Wastewater Treatment Plant; and

24 **WHEREAS**, a water catchment program installed on property in Santa Fe in the form of
25 active water harvesting systems would reduce the amount of storm water runoff, and provide an

1 additional resource for irrigation, toilet flushing and other non-potable uses that typically come
2 from potable sources; and

3 WHEREAS, if the City needs to contract with a third party to explore the matters set
4 forth herein, the City's Water Fund can be used to accomplish the purposes of this Resolution.

5 NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE
6 CITY OF SANTA FE that staff is directed to research and report on ways to develop a water
7 catchment program for rainwater falling on buildings within the City of Santa Fe, to report on
8 what changes to the City's building codes are needed to encourage and make legal such a
9 catchment program, to make recommendations as needed on contracting for services to explore
10 such a catchment program, and to evaluate and develop incentives for residential, business and
11 governmental building owners to participate in such a program.

12 BE IT FURTHER RESOLVED that staff shall present their initial report within 60
13 days of adoption of this resolution.

14 PASSED, APPROVED AND ADOPTED this ____ day of _____, 2015.

15
16 _____
17 JAVIER M. GONZALES, MAYOR

18 ATTEST:

19
20 _____
21 YOLANDA Y. VIGIL, CITY CLERK

22 APPROVED AS TO FORM:

23
24 
25 _____
KELLEY A. BRENNAN, CITY ATTORNEY

Legislation/Resolutions 2015/City Water Catchment

**City of Santa Fe
Fiscal Impact Report (FIR)**

This Fiscal Impact Report (FIR) shall be completed for each proposed bill or resolution as to its direct impact upon the City's operating budget and is intended for use by any of the standing committees of and the Governing Body of the City of Santa Fe. Bills or resolutions with no fiscal impact still require a completed FIR. Bills or resolutions with a fiscal impact must be reviewed by the Finance Committee. Bills or resolutions without a fiscal impact generally do not require review by the Finance Committee unless the subject of the bill or resolution is financial in nature.

Section A. General Information

(Check) Bill: _____ Resolution: X
(A single FIR may be used for related bills and/or resolutions)

Short Title(s): A RESOLUTION DIRECTING STAFF TO RESEARCH AND REPORT ON DEVELOPMENT OF A RAIN WATER HARVESTING AND WATER CATCHMENT PROGRAM ASSOCIATED WITH RESIDENTIAL, COMMERCIAL AND CITY-OWNED BUILDINGS AND PROPERTY.

Sponsor(s): Councilor Peter Ives

Reviewing Department(s): Water Resources & Conservation/Water Division/PUD

Persons Completing FIR: Caryn Gross/Rick Carpenter Date: 09-21-15 Phone: 955-4221

Reviewed by City Attorney: Kelly A. Brennan Date: 10/8/15
(Signature)

Reviewed by Finance Director: [Signature] Date: 10-8-2015
(Signature)

Section B. Summary

Briefly explain the purpose and major provisions of the bill/resolution:

This resolution directs staff to research ways to develop a water catchment system on city-owned buildings and property to collect rainwater runoff; research what code changes are needed to make such a system legal; and make recommendations on contracting for needed services.

Section C. Fiscal Impact

Note: Financial information on this FIR does not directly translate into a City of Santa Fe budget increase. For a budget increase, the following are required:

- a. The item must be on the agenda at the Finance Committee and City Council as a "Request for Approval of a City of Santa Fe Budget Increase" with a definitive funding source (could be same item and same time as bill/resolution)
- b. Detailed budget information must be attached as to fund, business units, and line item, amounts, and explanations (similar to annual requests for budget)
- c. Detailed personnel forms must be attached as to range, salary, and benefit allocation and signed by Human Resource Department for each new position(s) requested (prorated for period to be employed by fiscal year)*

1. Projected Expenditures:

- a. Indicate Fiscal Year(s) affected – usually current fiscal year and following fiscal year (i.e., FY 03/04 and FY 04/05)
- b. Indicate: "A" if current budget and level of staffing will absorb the costs
"N" if new, additional, or increased budget or staffing will be required
- c. Indicate: "R" – if recurring annual costs
"NR" if one-time, non-recurring costs, such as start-up, contract or equipment costs
- d. Attach additional projection schedules if two years does not adequately project revenue and cost patterns
- e. Costs may be netted or shown as an offset if some cost savings are projected (explain in Section 3 Narrative)

Finance Director: [Signature]

X Check here if no fiscal impact

Column #:	1	2	3	4	5	6	7	8
	Expenditure Classification	FY_15/16	"A" Costs Absorbed or "N" New Budget Required	"R" Costs Recurring or "NR" Non-recurring	FY _____	"A" Costs Absorbed or "N" New Budget Required	"R" Costs – Recurring or "NR" Non-recurring	Fund Affected

Personnel*	\$ _____	_____	_____	\$ _____	_____	_____	_____	_____
Fringe**	\$ _____	_____	_____	\$ _____	_____	_____	_____	_____
Capital Outlay	\$ _____	_____	_____	\$ _____	_____	_____	_____	_____
Land/ Building	\$ _____	_____	_____	\$ _____	_____	_____	_____	_____
Professional Services	\$ _____	_____	_____	\$ _____	_____	_____	_____	_____
All Other Operating Costs	\$ _____	_____	_____	\$ _____	_____	_____	_____	_____
Total:	\$ _____			\$ _____				

* Any indication that additional staffing would be required must be reviewed and approved in advance by the City Manager by attached memo before release of FIR to committees. **For fringe benefits contact the Finance Dept.

2. Revenue Sources:

- a. To indicate new revenues and/or
- b. Required for costs for which new expenditure budget is proposed above in item 1.

Column #:	1	2	3	4	5	6
	Type of Revenue	FY _____	"R" Costs Recurring or "NR" Non-recurring	FY _____	"R" Costs – Recurring or "NR" Non-recurring	Fund Affected

_____	\$ _____	_____	\$ _____	_____	_____	_____
_____	\$ _____	_____	\$ _____	_____	_____	_____
_____	\$ _____	_____	\$ _____	_____	_____	_____
Total:	\$ _____		\$ _____			

3. Expenditure/Revenue Narrative:

Explain revenue source(s). Include revenue calculations, grant(s) available, anticipated date of receipt of revenues/grants, etc. Explain expenditures, grant match(s), justify personnel increase(s), detail capital and operating uses, etc. (Attach supplemental page, if necessary.)

No additional revenue is anticipated to perform the requested research and analysis. Current staffing and budget can absorb the costs unless the decision is made at a later date to hire a specialized consultant, at which time a new FIR and contract would be required to be approved by the Governing Body. It is estimated that it will take existing City staff 40 – 60 hours to respond to the directives of the Resolution.

Section D. General Narrative

1. Conflicts: Does this proposed bill/resolution duplicate/conflict with/companion to/relate to any City code, approved ordinance or resolution, other adopted policies or proposed legislation? Include details of city adopted laws/ordinance/resolutions and dates. Summarize the relationships, conflicts or overlaps.

None.

2. Consequences of Not Enacting This Bill/Resolution:

Are there consequences of not enacting this bill/resolution? If so, describe.

The city will not research possibilities for water catchment programs within the City, the result of which could be that the City might not take full advantage of its available water supply. This could result in less flexibility in meeting demand and possibly higher prices for water.

3. Technical Issues:

Are there incorrect citations of law, drafting errors or other problems? Are there any amendments that should be considered? Are there any other alternatives which should be considered? If so, describe.

None.

4. Community Impact:

Briefly describe the major positive or negative effects the Bill/Resolution might have on the community including, but not limited to, businesses, neighborhoods, families, children and youth, social service providers and other institutions such as schools, churches, etc.

There would be the potential to capture (save/offset) a significant amount of water for beneficial use. However, if implementation of this resolution includes establishing incentives (such as rebates) then that amount of money may not otherwise be available for other rebate programs.
