Item No. 5A

CITY OF FLAGSTAFF
STAFF SUMMARY REPORT

To: The Honorable Mayor and Council

From: Jack Rathjen, Water Production Manager
Utilities/Lake Mary Water Treatment Plant

Date: June 2, 2008

Meeting Date: June 17, 2008

Title: Consideration of Sole Source Purchase of two (2) Solar-Powered Reservoir Circulators

Recommended Action:

Approve the purchase of two (2) SolarBee Model SB5000v12PW Solar-Powered Reservoir Circulators from SolarBee of Dickinson, North Dakota at a cost of $107,680, plus applicable tax.

ACTION SUMMARY:

This action will allow the Utilities Division to purchase two (2) SolarBees, which will circulate water inside two reservoirs, to help prevent turbidity.

DISCUSSION:

Background/History:

The City has purchased (4) SolarBee products previously. Currently there are (2) solar powered circulators at Upper Lake Mary, and (2) at Wildcat Wastewater Plant.

The two reservoirs that these SolarBees will be located are the Main Reservoir (containing 12 million gallons of water) and the Christmas Tree Reservoir (containing 5 million gallons of water). The Solarbees will permit the water from Lake Mary Treatment Plant, which is pumped into these reservoirs, to remain clean and usable by circulating the water on an ongoing basis. The Solarbees are solar powered which require no energy on our part.

This particular SolarBee unit is a sole source because it is the only available solar-powered reservoir circulator that is NSF approved to work in potable water tanks. SolarBee is the exclusive manufacturer of this equipment and the sole licensee of this technology.

Key Considerations:

SolarBee is the sole provider and manufacturer of this equipment. We have received quality service from SolarBee on previous purchases.

Community Benefits and Considerations:

The community will benefit by having unvarying water quality, and the City will benefit by reduced staff time and auxiliary equipment to insure disinfection compliance.

Community Involvement:

Not applicable

Financial Implications:

The Utilities Division, Lake Mary Water Treatment Plant, has budgeted in Fiscal Year 2009 $90,000 in Account 201-5002-732-4305 and the remaining $17,980 from Account 201-4712-720-4305 .

Options and Alternatives:

Reject the purchase and not install the solar-powered circulator.

Attachments/Exhibits:

Justification Letter – SolarBee
Price Quote - SolarBee

Randy Pellett

Department Head *(Acknowledgment that all reviews have been completed and required approvals initialed below.)*

INITIALS	RESPONSIBILITY	DATE	INITIALS	RESPONSIBILITY	DATE
	BIDS/PURCHASES	6/4/08		FINANCE/BUDGET	
	GRANTS			CONTRACTS	
	LEGAL			IGAS	
JR	Lake Mary WTP	6/4/08			

DATE OF COUNCIL APPROVAL: _____

SolarBee®
Solar-Powered Reservoir Circulator
"Quality Water, Naturally"
http://www.solarbee.com

Main Office and Service Center
SolarBee, Inc.
3225 Hwy 22, PO Box 1930, Dickinson, ND 58602
(866) 437-8076 • (701) 225-4495 • Fax (701) 225-0002

April 25, 2008 (e-mailed to afisher@ci.flagstaff.az.us, original in US Mail)

Ann Marie Fisher
City of Flagstaff
211 W. Aspen Ave.
Flagstaff, AZ 86001

Dear Ann Marie,

This letter is to certify that the Model SB5000v12PW, NSF certified, high-flow, long-distance potable water circulation equipment, which the City of Flagstaff, AZ is considering purchasing for the cities potable water tanks, are only available through SolarBee, Inc. of Dickinson, ND. SolarBee, Inc. is the exclusive manufacturer of this equipment and the sole licensee of this technology. To our knowledge there is no known competitive product.

The purchase price presented in the open quotation for this equipment is the same price charged to all U.S. agencies and other organizations, after allowing for small differences in delivery and installation charges based on quantity and mileage differences between projects.

Sincerely,

Willard R Termaschy

SolarBee, Inc.

Printed Name and Title: Willard Termaschy Corporate Secretary

LINDA M STEVE
NOTARY PUBLIC, STATE OF NORTH DAKOTA
MY COMMISSION EXPIRES SEPT 29, 2013
(Notary Seal)

The above individual signed this letter ~~in my~~ presence on April 25, 2008.
Attested to by Linda M Steve, Notary Public, Stark County, State of North Dakota.

Sales Office - Harvey Hibl
11867 Bradburn Blvd, Westminster, CO 80031
(877) 469-4001 (303) 469-4001 Fax (303) 469-4701

Main Office and Service Center
SolarBee, Inc.
530 25th Ave E, PO Box 1930, Dickinson, ND 58602
(866) 437-8076 (701) 225-4495 Fax (701) 225-0002

SOLARBEE QUOTATION

Date: 4/25/08

To: **Ann Marie Fisher**
City of Flagstaff
211 W. Aspen Ave.
Flagstaff, AZ 86001

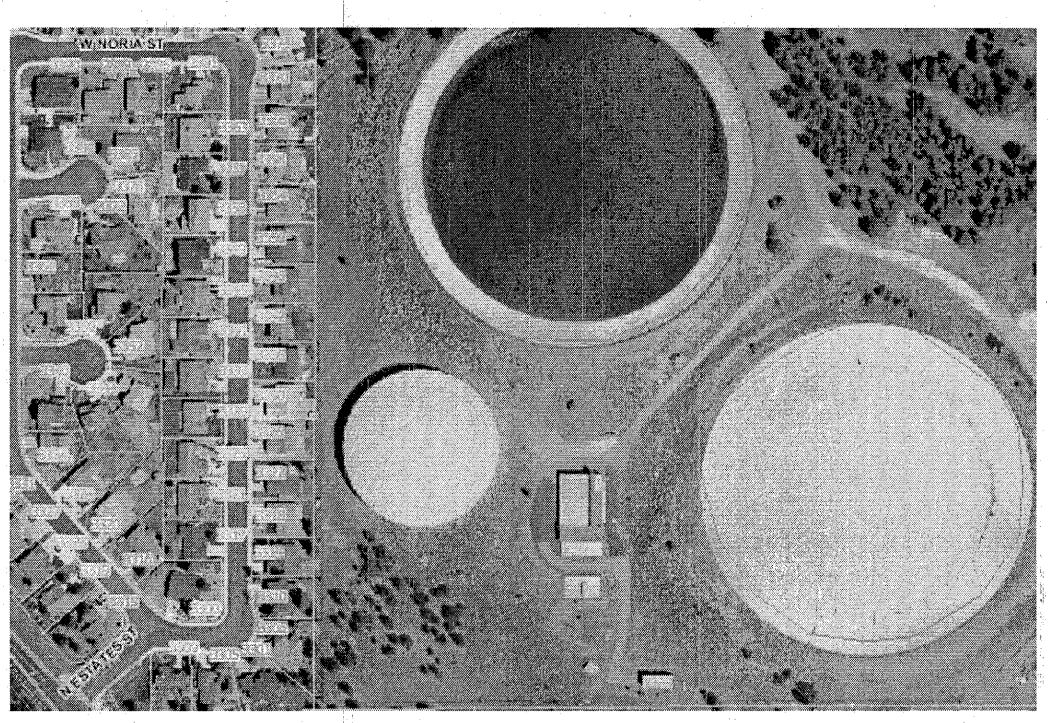
From: Harvey Hibl, SolarBee, Inc. - 303-469-4001, fax 303-469-4701

1. PROJECT DESCRIPTION

1.1.1 Facility or Reservoir Name. City of Flagstaff Potable Tanks

1.2.1 Address or Location of Facility or Reservoir. Flagstaff, AZ

1.3.1 Description of Reservoir. Main Reservoir, 12MG, 30'H



1.4.1 SolarBee Objectives, the Problems to Solve:
Provide complete mixing throughout the tank to reduce stratification, reduce short circuiting, reduce stagnant water conditions and provide a two day or less turnover rate.

1.5.1 Quantity of SolarBees Recommended, Brief Description of Features and Recommended Deployment Method:

One SolarBee SB5000v12PW per tank.

SB5000v12PW features: 5,000 gpm (7.2 MGD) total flow leaving the machine in full sunlight, 316 stainless steel and non-corrosion polymer construction, 25 life brush-less electric motor design that provides day and night operation with a solar charged battery backup system, digital control system, three 80 watt solar panels and control box mounted on a 316SS pedestal, 16" diameter intake hose, special potable water intake assembly with chemical injection port. Note: 36" x 36" minimum top hatch required, customer to provide a crane during installation. 2 year warranty as described in the owners manual.

Potable Water Reservoir / Tank - Delivery Method and Installation: SolarBee, Inc. sends two teams of at least two trained factory representatives to deliver, install, and place into operation each SolarBee circulation machine. The teams are trained to meet confined space, over water and at elevation safety requirements. Special safety equipment is utilized and special safety procedures are followed to meet all OSHA safety requirements.

2. PURCHASE COST

Purchase Cost:

Quantity	Equipment Description	Purchase Cost Each	Purchase Cost Total
1	SB5000v12PW machine per above	$ 42,215.00	$ 42,215.00
	Sales or other taxes, if applicable		to be determined
1	Delivery, installation, startup (cost per machine)	$ 11,625.00	$ 11,625.00
		TOTAL INVESTMENT	$ 53,840.00 (+ taxes)

3. (There is no Section 3 for this quotation.)

4. TERMS:

4.1.1 Assumptions.