

# Remarkable Technologies, Inc

Providing Municipalities the keys to balancing their budget!



# Remarkable Technologies, Inc City in the Box Program



- Remarkable Technologies, Inc. (RTI) recognizes that most U.S. cities are facing large financial deficits and are having to make major cuts in personnel and services.



- What RTI has developed is a method in which cities can save millions of dollars annually and redirect those savings back into their general funds to finance critical areas of the budget, such as Police and Fire. In essence, RTI has assembled various companies and technologies that can bring direct benefits to a city.





# What is "City in the Box" Program ?



- **How Does It Work?**
- This is how the program works: RTI makes a proposal to a city to privatize the city's waste- water treatment plant. Today, most cities across America are faced with expensive, antiquated sewage treatment plants that are inefficient and, in most cases, do not meet the minimum water quality standards that are required by State and Federal mandates.

# RTI will take on the Liabilities.



Saving the City Millions over time from the unfunded Liability of Pension funds



This becomes just one of the Keys to bringing back dollars to the City's General Fund!

RTI will contract with a city to take over the operation and maintenance of its waste-water treatment plant. In turn, the city employees will become employees of RTI. From that transition date forward, the city will have no more obligation to contribute to the unfunded liability of the employees' union pension fund. The employees will be set up with a 401K plan by RTI. Over time, this transition of employees will save the contracted city millions of dollars.

# The answer to unfunded pension fund Liability!



Being in position to relieve the City of ongoing pension liability becomes one key to cutting their budget

Today, many union employees are retiring at the age of 60 and living to be 85 to 90 years old. This means that cities are having to pay benefits to previous employees for 25 to 30 years after their services were rendered. Having to pay for this portion of the unfunded pension funds is one of the major factors that is causing financial devastation to the budgets of most local, state and federal government agencies.

# City in the Box Program brings many Benefits to the City!

- In addition to saving on pension fund contributions, the "City in the Box" program also provides other financial benefits to a city. The best way to demonstrate how this program can provide other benefits is by analyzing the public works/utilities budget of a medium sized city, such as Fresno, CA.



# Fresno California as an example!

- The city of Fresno's waste-water treatment plant is located on 3,600 acres in the Southwest portion of the City. It needs to expand its current 90-million gallon per day facility to one that can treat 120-million gallons per day. The estimated cost of this expansion is \$105 million. Currently, the City is spending \$36 million per year on the operation and maintenance of this plant. Additionally, this facility is not meeting the minimum standards for its discharge water and is paying heavy fines as a result. Thus, the City is looking to build a new \$170 million tertiary treatment facility to improve the quality of its discharge water.....

# Bringing State of the art Technology!



Escalating cost are bankrupting most cities.



- Overall, the City of Fresno's Public Utilities' Department needs to make "moving forward" capital expenditures of \$275 million - \$105 million for expansion and another \$170 million for an upgraded water purification system - to meet State and Federal water quality mandates.
- RTI has secured many cutting edge technologies, one of which is a sewage treatment technology that was developed in South Korea and is functionally operational at over 30 sites throughout that country. In just 12 hours, this technology provides swimming pool clarity water that exceeds all discharge water minimums required by our current State and Federal mandates. The capital cost of this system is far less than the new water treatment facilities currently being constructed at various locations throughout the United States.

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# Huge Savings for the City!!



- To provide savings, RTI's "City in the Box" proposal to the City of Fresno would look as follows: RTI will convert the entire water and waste-water treatment plant, including the addition of another 30-million gallons per day treatment facility, to an overall size that could handle the needed 120-million gallons per day. RTI's cost of this system for the 120-million gallons per day facility would be \$105 million. Because the RTI system is so efficient, the City would not need to build the tertiary facility for upgraded water purification. This, of course, would save the City \$170 million in projected capital costs.
- Total capital savings for the City of Fresno \$170,000,000

**RTI creates a WIN - WIN SENARIO!!**

# Bringing \$ to the City General Fund!



- **Since the operation and maintenance for this system is only about 30% of the cost of the City's current system, RTI would propose sharing those savings (approximately \$25 million) with the City.**
- **Further, RTI would lease the land (3,600 acres) from the City and increase its rental rate as it brings additional technologies into the City's Box.**
- **These saving to the City can now be redirected to critical expenses in the General Fund like Police and Fire!**

# RTI Brings other Technologies into the Box

## THE PROBLEM



**The U.S. produces 200 Million tons of Hazardous Waste and an additional 13 Billion tons of Non-Hazardous Waste each year!**

**Next, RTI will bring Full Circle Energy's waste-to-energy technology into the Box . This technology takes in municipal solid waste, sewage sludge, tires and agricultural waste as a fuel and generates clean, renewable energy as a byproduct. This technology will provide savings to the City in the form of lower tipping fees (for garbage), lower fuel costs (to operate the waste-to-energy plant), and lower costs for its electricity usage.**





# RTI bring water and solar into box!



- ***Another technology that will be used in the Box is Full Circle Energy's water treatment desalinization system to treat waste-water and sell that treated water back to the City at a rate that is lower than the City's current cost of water acquisition and production.***
- ***RTI will also develop a solar farm on the property and provide for revenue sharing with the City.***
- ***RTI is currently working on many other cutting edge technologies to be able to bring into the City in the box program. Each Technology will bring dollars back to the City's General Fund!***

# Summary – Binging Financial Stability back to Cities!



Stop the Pressure on  
City's Budgets!!



- **In summary**, RTI's "City in the Box" program can, not only provide immediate *savings* to a city, like Fresno, in terms of future pension fund costs, but can also save a city at least 25% to 30% on its public utilities' costs and even greater amounts on its future capital requirements for upgrades and expansion to its utility infrastructure. It is this type of program, developed by RTI, that can truly turn a city from economic chaos into financial stability in just a very short period of time - *just ask any City Manager!*
- RTI's City in the Box a Win – Win Scenario!