



Owner – Broker

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Energy Efficiency

Now Available!!

How to Go Solar Guide

Using New Mexico's New Solar Energy Incentives

This guidebook is intended to provide New Mexico residents with a basic introduction to becoming involved with solar energy, following the onset of three new solar energy incentives in 2006:

The Solar Market Development Act, by the State Legislature, which creates a personal income tax credit for homeowners, businesses, or agricultural entities that install solar electric or (active) solar heating systems; Approval by the Public Regulation Commission of a **new photovoltaic power buy back program for customers of PNM**, the utility serving the Albuquerque/Santa Fe area; and a new **Federal Solar Tax Credit**.

This document covers

Oshara Village Phase I - Latest News!!!

- Prospective buyers that have e-mailed Oshara Village will be contacted by a sales representative in November and December 2006.
- New Village Institute (NVI) will be introducing two studies that calculate the energy savings possible for an Oshara family using all the energy innovations available, as compared to that used by an average new home in New Mexico. This "real world" comparison shows that by consciously choosing the standard features available "off the shelf" today in Oshara, a family can save significant amounts of fossil fuel-based energy, reduce Greenhouse Gas emissions and save money in the process. Watch the website for downloads of these studies.
- The Plaza at Oshara Village began its landscape design with the addition of several mature trees planted in the green areas. Types of trees include several conifers (Ponderosa Pine, White Fir, Scotch Pine), several Cottonwoods, London Plane (Sycamore), Lace Bark Elder and a Mountain Ash. Plans are to have the Oshara Village Plaza available for events by early summer 2007.

Oshara Village Water Reclamation Plant Proven Technology – Unique Application

To compliment the New Urbanist principle of limiting impacts to the environment, Oshara Village and AquaWorks DBO have teamed to provide a water reclamation facility for the purpose of turning wastewater into 30,000 gallons per day of water to irrigate landscaping and flush commercial toilets within the development. The concept allows less water use by the development. The ability to reuse the water is highly valuable considering the limited availability of water in the Santa Fe, New Mexico area.



The water reclamation plant for Oshara Village will consist of a buried Sequencing Batch Reactor ("SBR") wastewater treatment facility. The SBR is a proven technology with hundreds of applications throughout the United States. The only visible part of the plant

photovoltaic and active solar heating systems (systems that utilize solar energy collecting panels).

www.nmccae.org/Downloads/Go_Solar_Guide.pdf

Oshara Links FYI

www.osharavillage.com

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will be an above grade operations building which is 14 by 21 feet in size. The system is designed to meet all of the New Mexico design criteria including redundant backup treatment equipment and an emergency power generator. The advanced design allows the facility to discharge to both the water reuse system and the nearby drainage channel. A draft groundwater discharge permit has already been issued by the State for the Project.

The Oshara Village SBR will be similar to the plant show to the right with the exception of the tank material. The tank will be constructed out of concrete for superior reliability and long life.

The project is designed to meet the strict Class 1A water quality limits designated by the New Mexico Environment Department. By meeting these standards, Oshara Village has the ability to reclaim the wastewater to the fullest extent allow by the State. The advanced SBR design will allow the plant to meet the following standards:

| Wastewater Quality Standards | | | |
|------------------------------------|------------------|-------------------------------------|--------------|
| Parameter | Measurement Unit | Class 1A Reclaimed Wastewater Limit | |
| | | 30 Day Average | Maximum |
| BOD(5) | mg/L | 10 | 15 |
| Turbidity | NTU | 3 | 5 |
| Fecal Coliform | Per 100 mL | 5 | 23 |
| UVT | N/A | Monitor Only | Monitor Only |
| Total Nitrogen (nitrate + nitrite) | mg/L | 10 mg/L | TBD |

The project approach has allowed Oshara Village to supply its residents with an environmentally responsible solution for wastewater reuse. Further, this approach allows the modular design of the project to grow in capacity to meet the future needs of the residents.

AquaWorks DBO is a design/build/operate firm headquartered in Denver, Colorado. AquaWorks DBO specializes in the engineering, construction, and operation of small scale wastewater treatment plants throughout the United States. The full suite of services offered by AquaWorks DBO was extremely appealing to Oshara Village. In one contract, the owner was able to acquire a complete reclamation facility with water quality results fully guaranteed by AquaWorks DBO. According to Alan Hoffman, Town Founder for Oshara Village, "Of all the systems that we as the owners examined, this was far and away the best solution in terms of quality and value. We are thrilled with the services provided by our design-builder."

For more information check out their website: www.aquaworksdbo.com ◇

Oshara Commercial Corner



The first commercial building is scheduled to break ground in January 2007 with occupancy expected in October, just in time for seasonal shopping. If you are looking for a great first or second location for your business, this building offers the best exposure along Richards Avenue (current traffic count is 12,000 cars per day). Retail and office spaces are available to suit your needs. Let us help you design your space at Oshara Village.

Please contact Pat Brown at 505-469-1203 or 505-988-1203 for more information.

