



A Sustainable Exchange between Shanghai and Oregon

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Chicago, NASEO



Overview

- Background
- Staff Exchange
- Shanghai Energy Resource Center



Background

My profile:

- Employed by Shanghai Energy Conservation & Supervision (SECSC) affiliated to Shanghai Economic Commission
- A lawyer by training in Shanghai, China
- Selected to be on the exchange program with SECSC and Oregon DOE
- Came to Oregon in Aug.2002 on a visiting scholar visa



Background

Participated in NASEO peer exchanges in 1999, 2000 and 2002. Peer exchanges lead to recognition of common interests:

- State of Oregon energy programs and accomplishments
- City of Shanghai's goal for sustainable development and energy efficiency



Staff Exchange

- SECSC and Oregon Department of Energy(ODOE) enter into staff exchange agreement
- Co-funded by US DOE and Oregon DOE
- Stationed in Conservation Division at ODOE
- Initially focused on building code, industrial energy efficiency and energy center program



Staff Exchange

Focus of staff exchange evolves into sustainable development:

- Portland State University (PSU) becomes a resource
- Oregon Governor's mission on sustainability
- ODOE's sustainable efforts



Staff Exchange

- Sustainable Building Advisor by training
- Received a Sustainable Building Advisor certificate through PGE Earth Advantage Program
- Well-trained with broad aspects of sustainability including sites, energy efficiency, water efficiency, green materials and indoor air quality

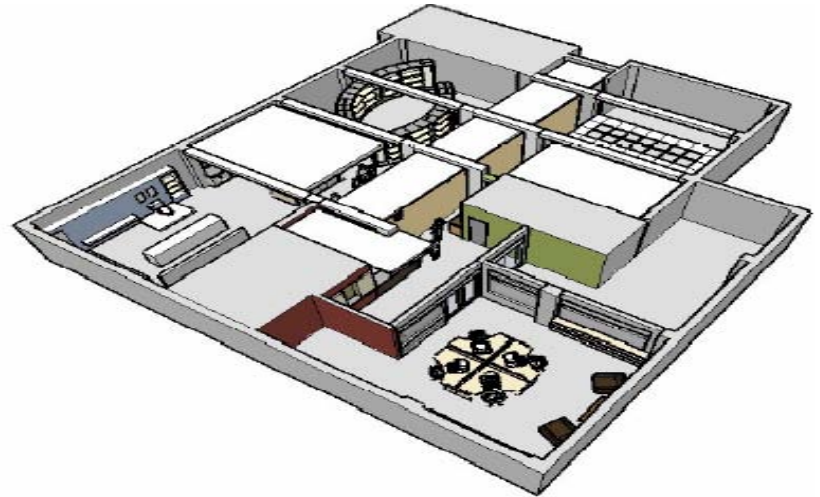


Staff Exchange

----- Functioning as an Sustainable Observer

- Worked as an observer on China-US sustainable land use and urban design training host by PSU
- Drafted report to address issues facing China sustainable field

Shanghai Energy Resource Center Program





Shanghai Energy Resource Center

Background: Need for center based on:

- Rapid economic growth
- Energy consumption expanding
- Environmental pollution
- Natural resources shrinking -- water shortage



Shanghai Energy Resource Center

- Initially proposed by SECSC
- Experts from Portland General Electric traveled to help us in Shanghai Co-funded by US DOE and Oregon DOE, Oct. 2003
- Eco-charette and business plan were developed by PGE early 2004



Shanghai Energy Resource Center

- Capital funding will mainly be provided by Shanghai municipal government
- Combines both public and private sector interests from China and the U.S.



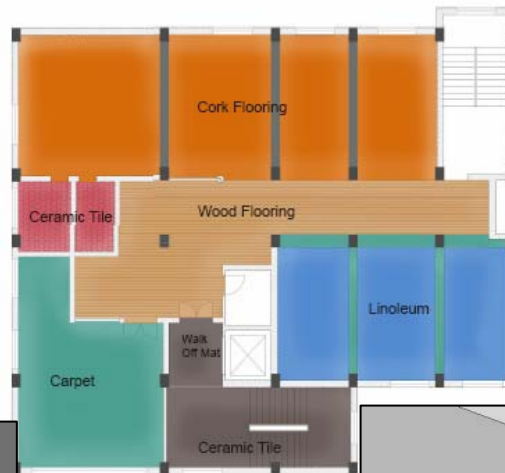
Shanghai Energy Resource Center

SERC proposed functions:

- Displaying-- EE technology & information
- Educating-- People (Professions and Public)
- Serving -- EE individual programs

Shanghai Energy Resource Center

- Displaying: green materials, efficient appliance and lighting





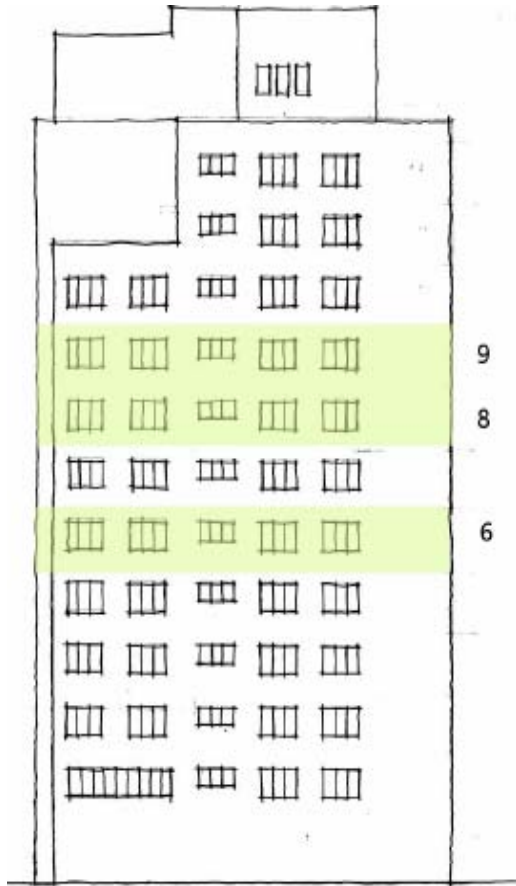
Shanghai Energy Resource Center

SERC Developing plan

- Current facility at SECSC-- Model Center
- Future Facility at the 2010 World Expo official site -- Future Center

Shanghai Energy Resource Center

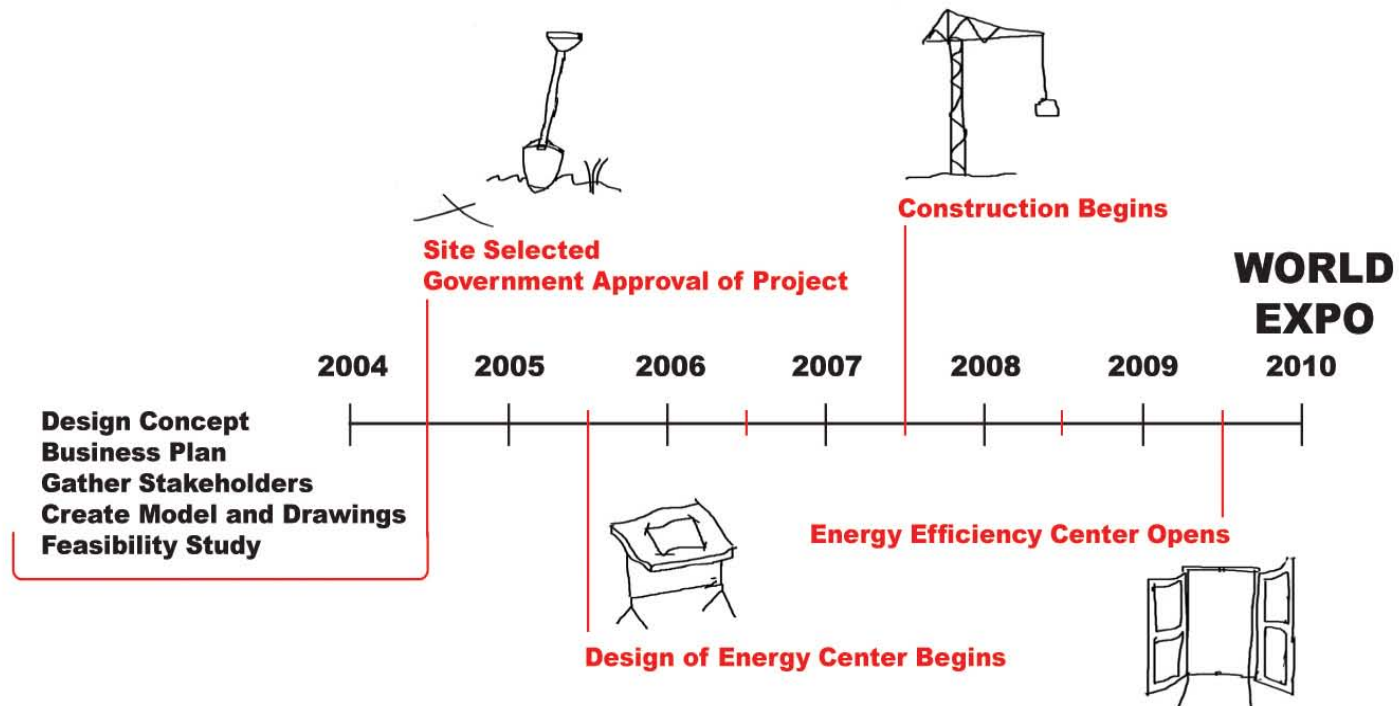
- SERC Location map



Shanghai Energy Resource Center

SERC Timeline

- Model center will be planning to open early 2005
- Future center will be open in 2009 for the 2010 World Expo event.





Shanghai Energy Resource Center

- Present partners including:

Shanghai Economic Commission

Shanghai Development and Reform Commission

Shanghai Municipal Financial Bureau

Shanghai Construction Commission

Shanghai Energy Conservation Supervision Center (SECSC)

Shanghai Environmental Protection Bureau

United States Department of Energy (USDOE)

National Association of State Energy Officials (NASEO)

Oregon Department of Energy (ODOE)

Oregon Economic & Community Development Department (OECDD)

Portland General Electric (PGE)

Portland State University (PSU)

Whirlpool

Owens Corning

Johns Manville

My first fishing trip in Oregon



Thank You !

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