

IPRO 314 - Greening and Reuse of Queen of Peace High School Facilities

Green-Tech Green-Opportunity

Statement of the Problem

- Queen of Peace High School, Burbank IL, incurred substantial student losses during a ten year period.
(1500 to 650 students)
- Misappropriated facility space stemming from student decline
- Request to lower baseline operating expenditures through sustainable technologies

Organization of the Team

I-PRO 314 Organization

Advisors:

Jim Braband

Nancy Hamill

Alternative Re-use Team:

Rawan Abbasi

Kyle Dralle

Ryan Dudek

Sarah Pfeifer

James Rossi

Mimi Wide

Back-up Presenter

Re-use Leader

Presenter

Greening Team:

Sana Ihmound

Meghan Murdock-Barriball

Erin Pederson

Nicholas Sahm

Kaumil Shah

Presenter

Green Leader

Team Leader/Presenter

Goals for Greening Team

To draw up formal proposals of possible efficiency techniques:

- Increasing efficiency of existing school facilities
- Implementing Greening technology to new programs
- Increasing the education of greening techniques to school population
- Promoting the school through sustainability

Progress Toward Goals

Tour of facilities and discussion of 'wants and needs'

- Acquisition and analysis of current facility expenditures
- Research and greening processes
- Feasibility study through cost analysis

Goals for Re-use Team

To draw up formal proposals of possible alternative space reuse techniques:

- Implementation of community center
 - Open to students, Burbank residents, surrounding schools and churches
 - Library open to students and public
- Conversion of library space into conference rooms and international communications center
- Courtyards

Progress Toward Goals

Schematic Design for Courtyards & Community Center

- Research of “Greening” & International Communication Center
- Making building concepts coincide with schools identity

Major Obstacles Encountered

- Identification of the problem
- Brain-Storming ideas and solution
- Clients 'wants and needs'
- Funding
- Allocation of tasks to team members

Anticipated Challenges that Lie Ahead

- Cost vs. Benefit analysis
- Prioritizing ideas
- Market ideas appropriately to community
- Finding grants/funds and acquiring professional advice
- Proper division of tasks as progress continues

Questions?