WPC Diversified Global
LargeCap Fund

### Agenda

- Introduction
- Portfolio engineering methodology
- Fund composition
- Performance
- Current economic conditions and future rebalancing

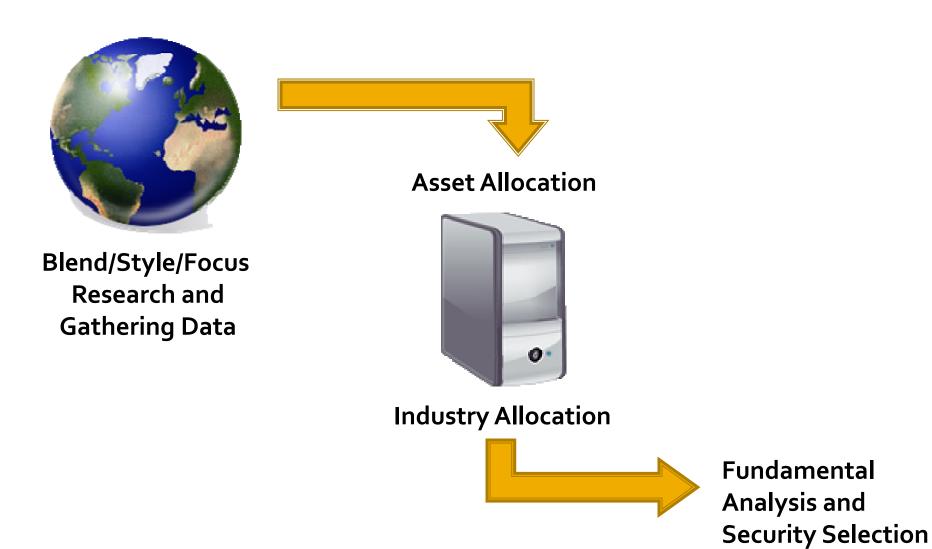
### Introduction

- Fund Manager Joe Downs
  - Amol Agarwal
  - Andre Shearer
  - Andy Harper
  - Ben Hawthorne
  - Jameson Bennett
  - Jon Kielmeyer
  - Praveen Gujar

### Objective

- Global diversification across asset classes
- Core portfolio to preserve capital
- Fundamental analysis overlay
  - Learning experience

## **Portfolio Engineering**



### **Portfolio Engineering Continued**

Collect Historical Returns for the Universe of Asset Classes Calculate Variance,
Expected Return, and
Covariance for Various
Asset Classes



Calculate Variance,
Expected Return, and
Sharpe Ratio for
Portfolio



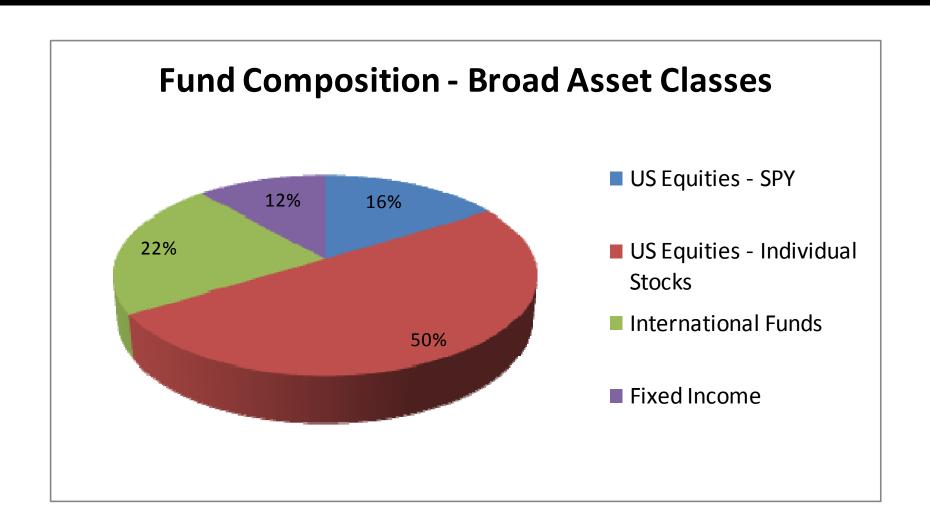
WPC Global Diversified Portfolio



Adjust Asset Class Weights

**Optimization** 

### **Fund Composition - Seed**



#### International – Motivation

- Build a global diversified portfolio
- Gain exposure to markets with low covariance with US equities
- Gain access to emerging markets
  - Moderate US economic growth expectation

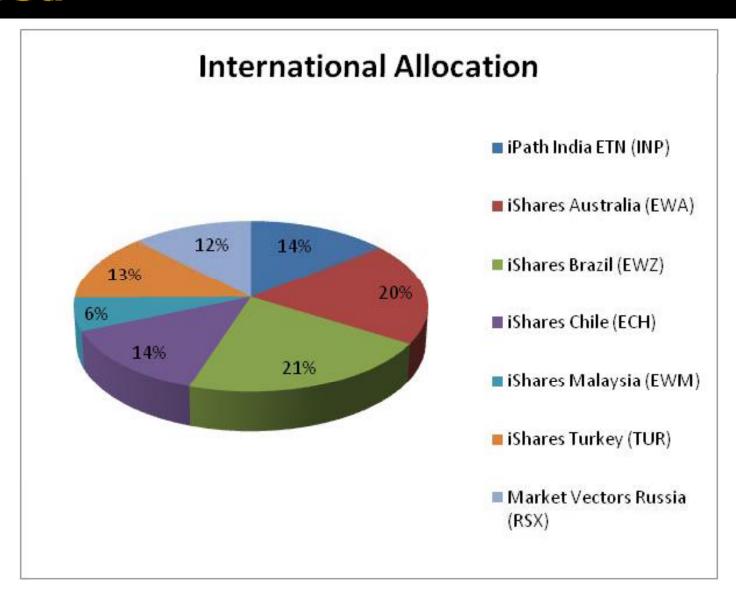
### International - Approach

- Research on global economic situation and individual countries
- Portfolio optimization to obtain initial portfolio weight
- Modify portfolio weight after group discussion
- Select ETFs to gain access to individual countries

## International – ETF selection criteria

- Short list of ETFs that are in line with the fund's objective
- Select ETFs with five years of history
- Analysis of ETF holdings
- Select ETFs with high liquidity and low expense ratios

# International Fund Composition – Seed

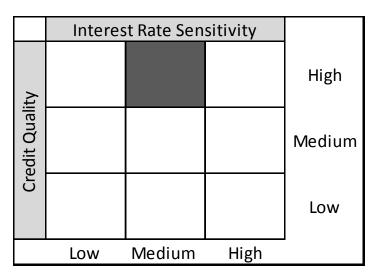


#### **Fixed Income - Motivation**

- Diversification
- Gain access to fixed income markets
- Low covariance with US equities
- Defensive investment in the case of double-dip recession

### Fixed Income - Approach

- Duration and average maturity
  - Intermediate
  - Inflation expectations
- Credit quality
- ETF with low fees
- VGIT



### **US Equity Style and Approach**

#### Core/satellite strategy

- Capital preservation
- Fundamental analysis and learning experience

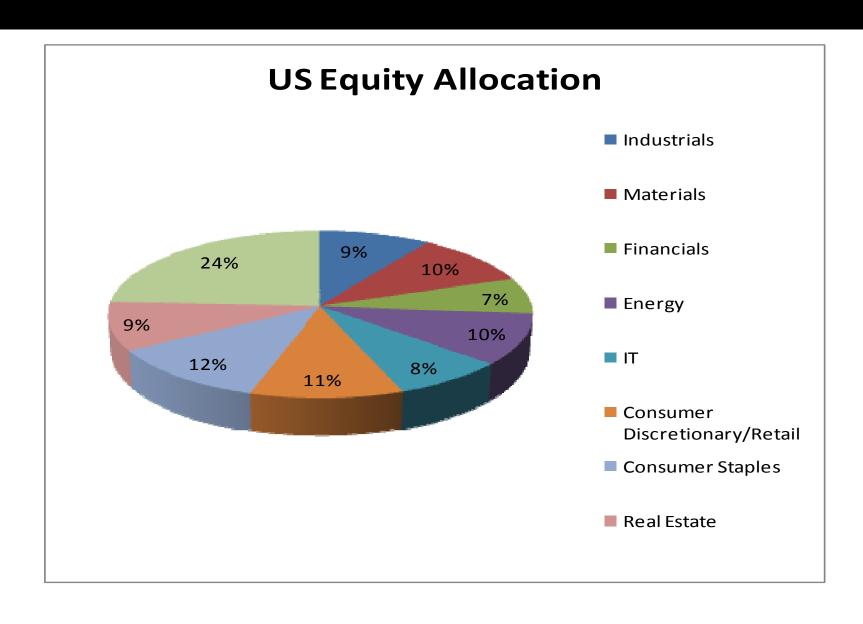
#### Industry allocation

Selected industries based on optimization and priors

#### Security selection

- LargeCap blend
- Fundamental analysis

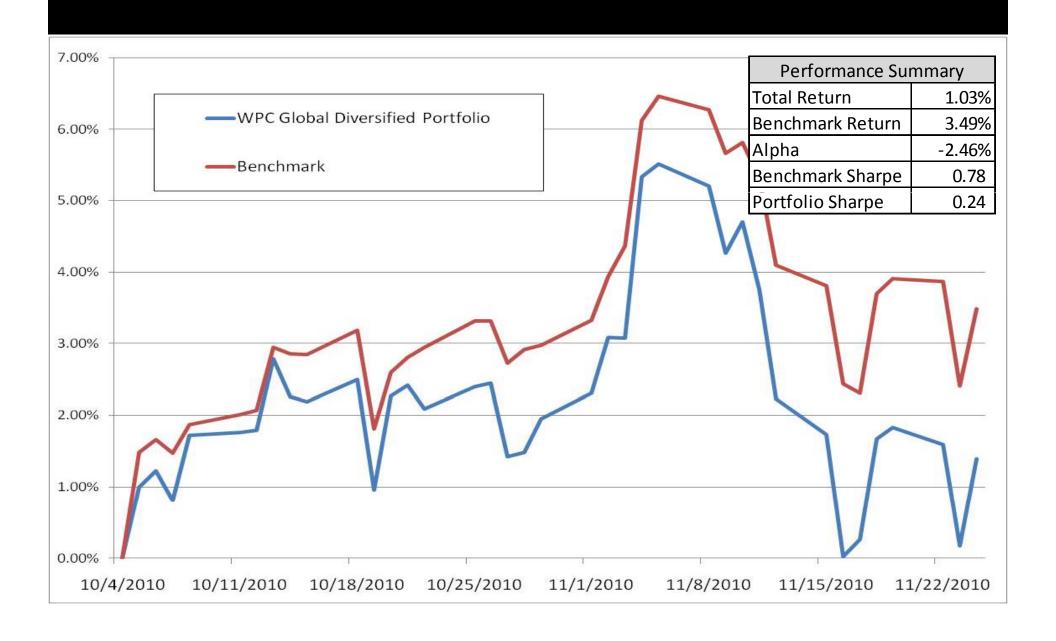
## **Fund Composition - Seed**



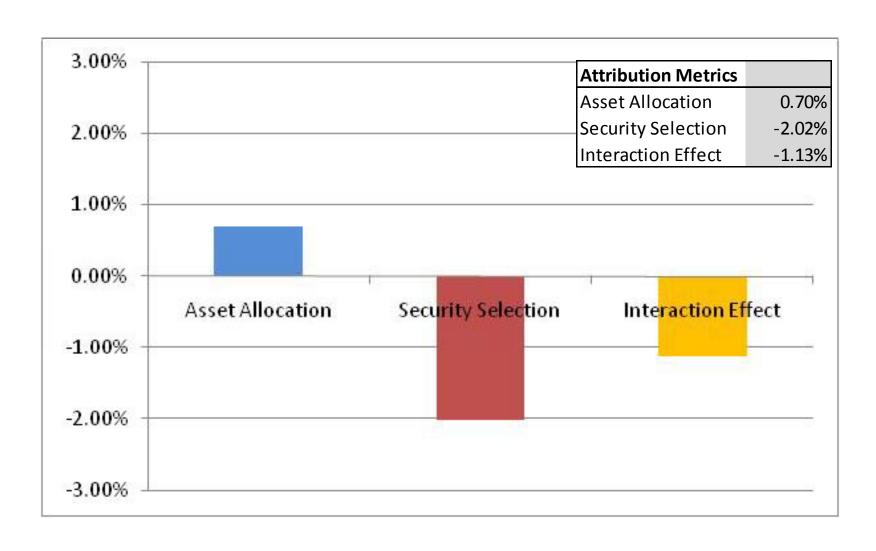
### **WPC Benchmark Composition**

- Standard & Poor's 500 Index 65%
- MSCI Emerging Markets Index 23%
- Barclays Capital Aggregate Bond Index 12%

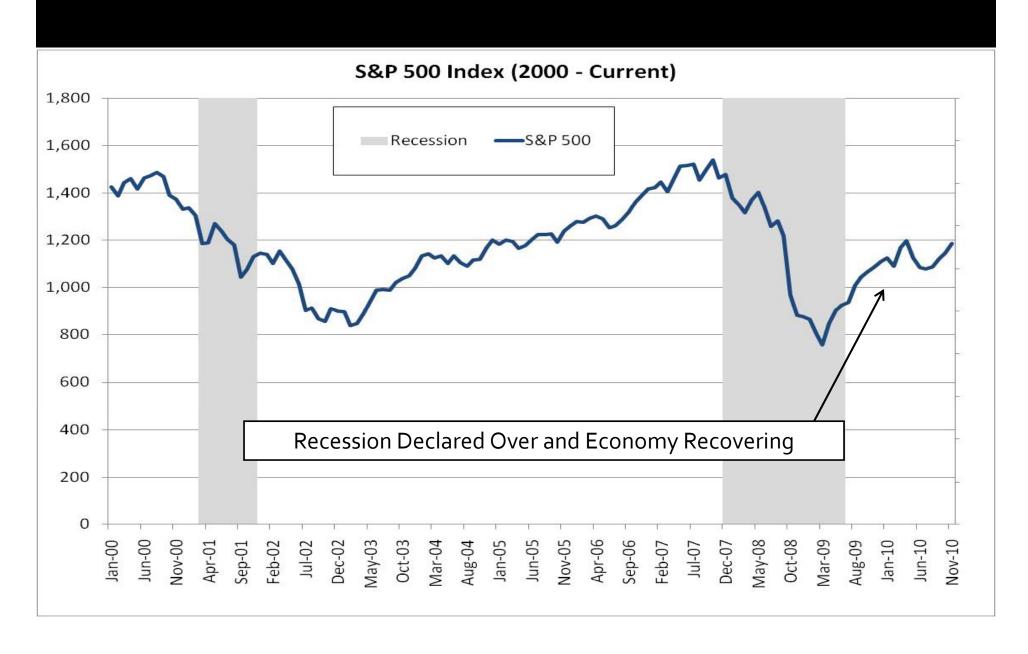
#### **WPC Performance vs. Benchmark**



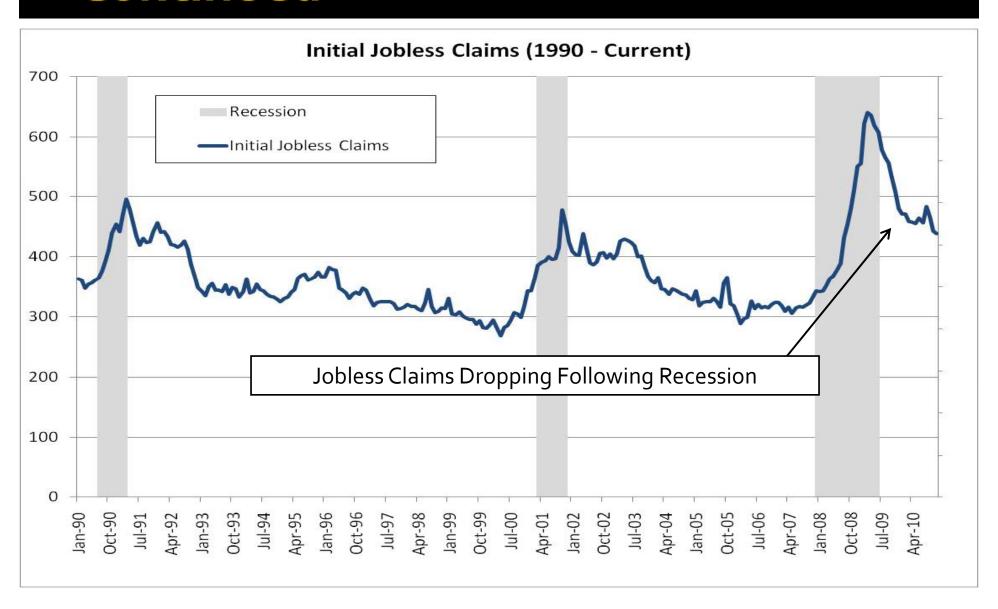
### **Attribution Analysis**



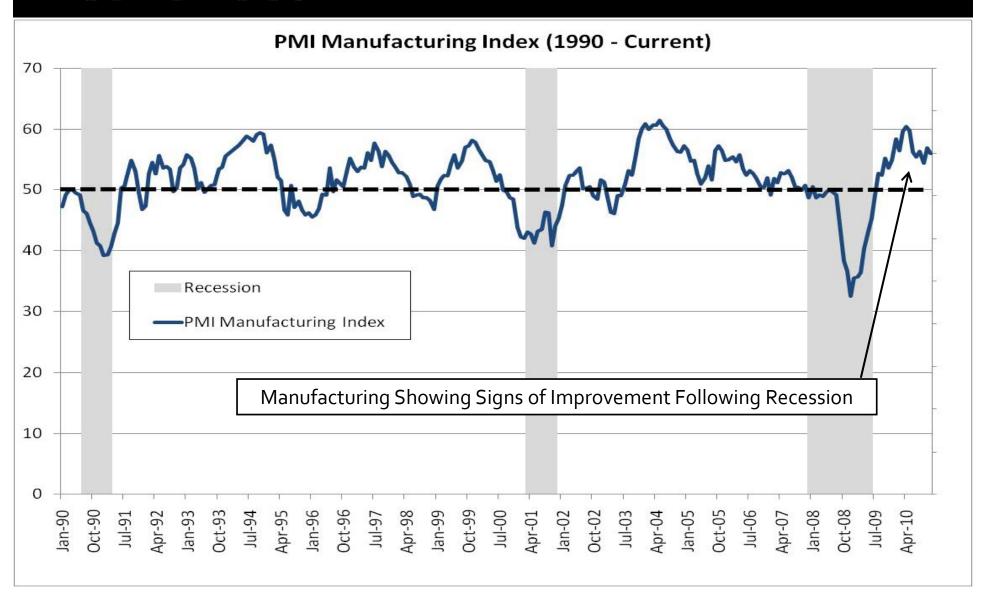
#### **Current Market Conditions**



## **Current Market Conditions Continued**



## **Current Market Conditions Continued**



# Economic Impact and Future Rebalancing

- Moderate recovery through Q4 2010 and 2011
- Overweight equities
- Underweight fixed income and defensive positions

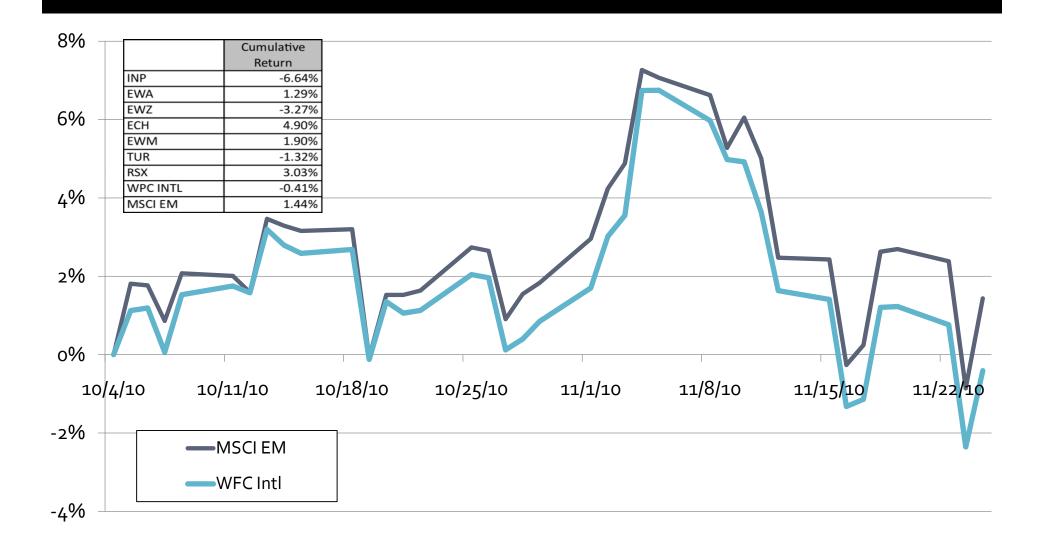
#### What We Learned!

- Portfolio optimization/engineering process
- Importance of diversification and asset allocation
- Bloomberg and other research tools
- Strength of efficient markets

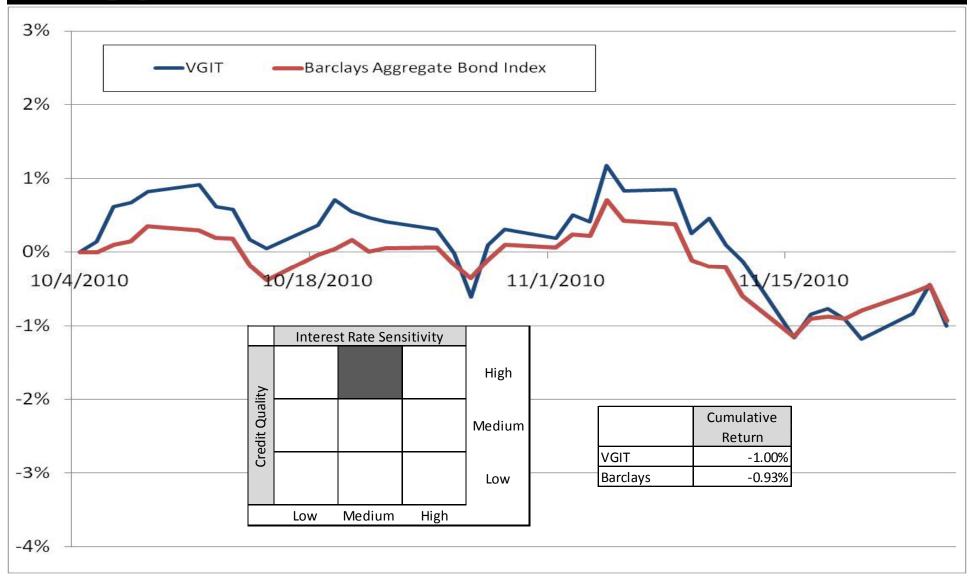
### **QUESTIONS?**

# Appendix A – Performance vs. Industry Benchmarks

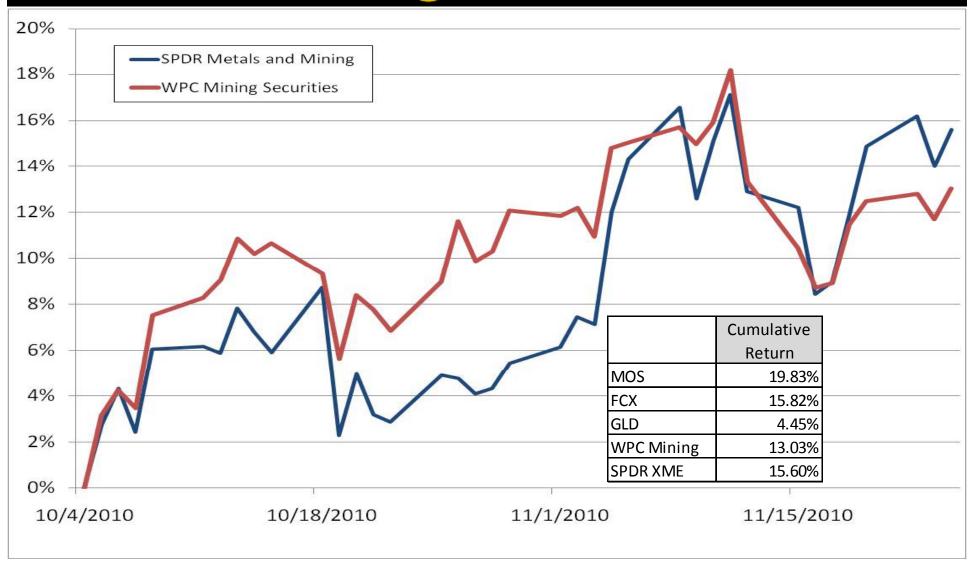
### **WPC Intl – Performance**



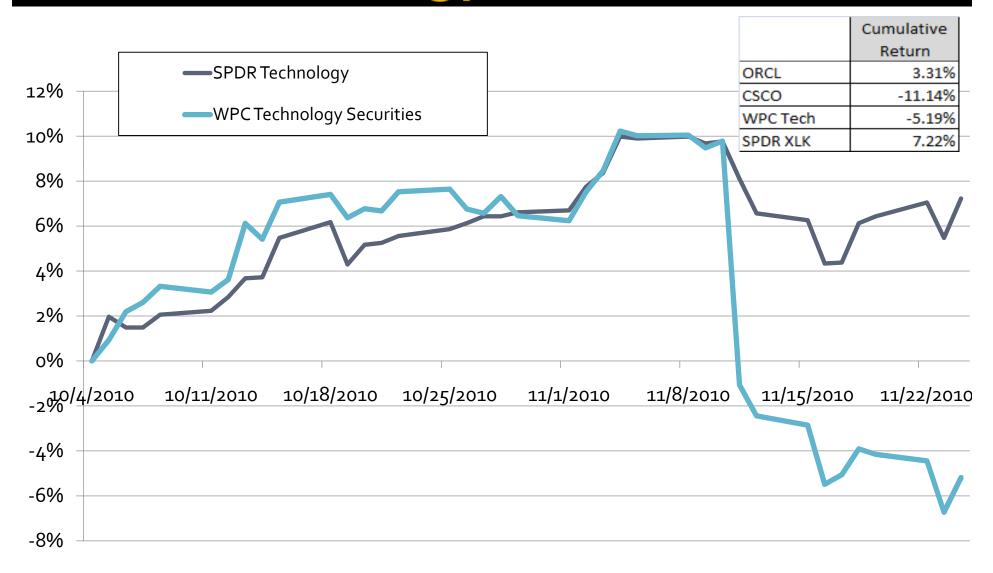
# WPC Fixed Income vs. Barclays Aggregate Bond Index



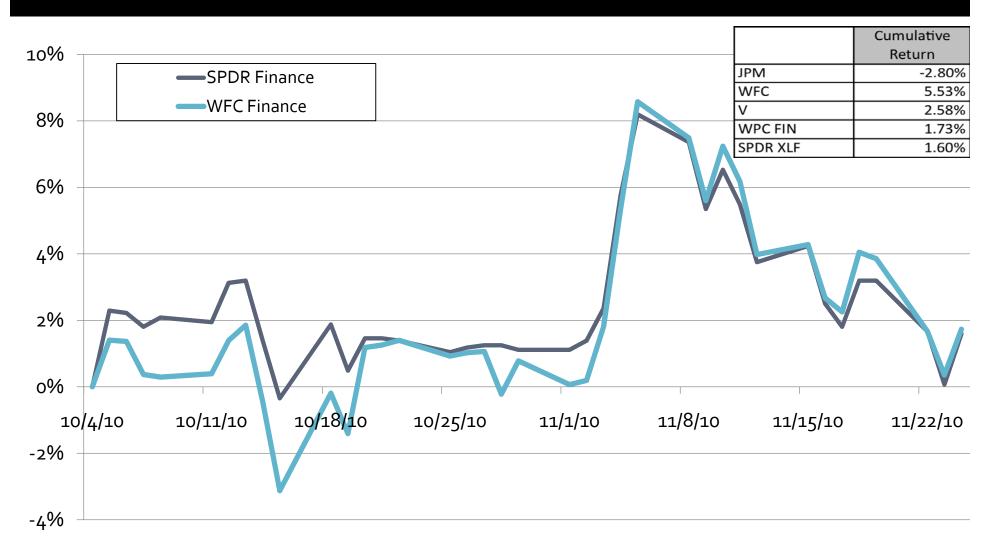
# WPC Mining Securities vs. SPDR Metals & Mining



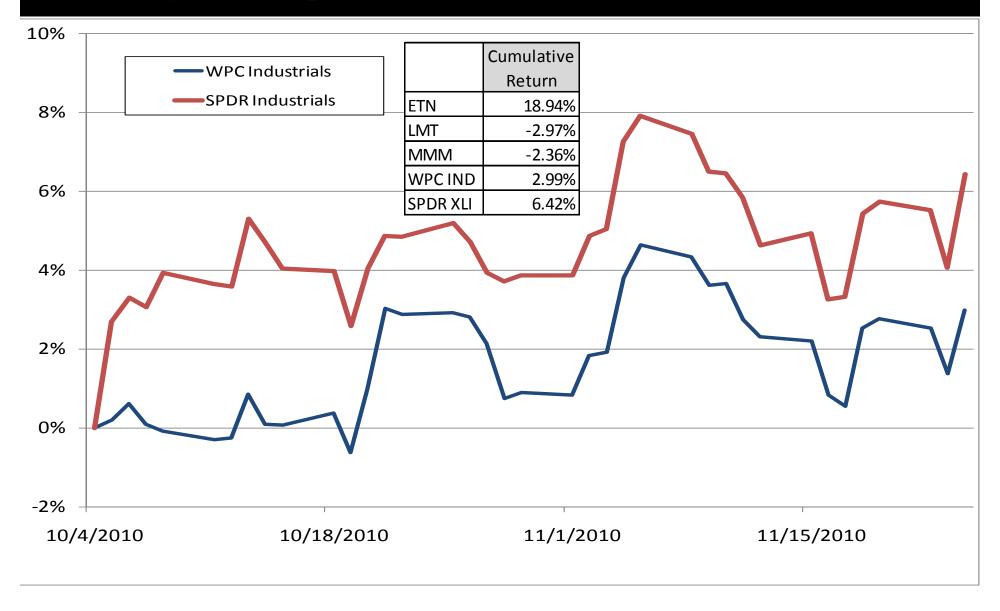
# WPC Technology Securities vs. SPDR Technology (XLK)



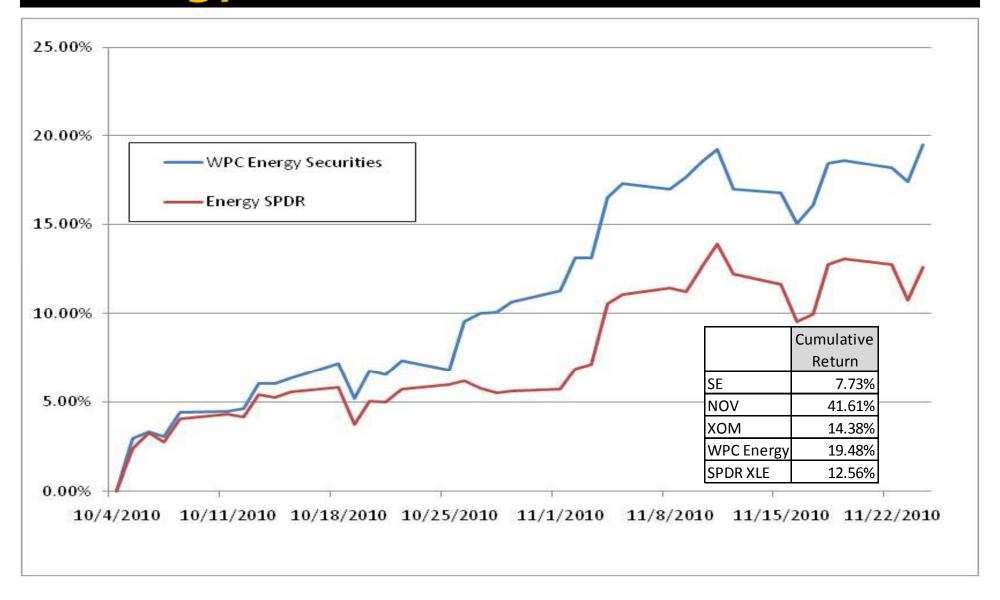
# WPC Finance Securities vs. SPDR Finance



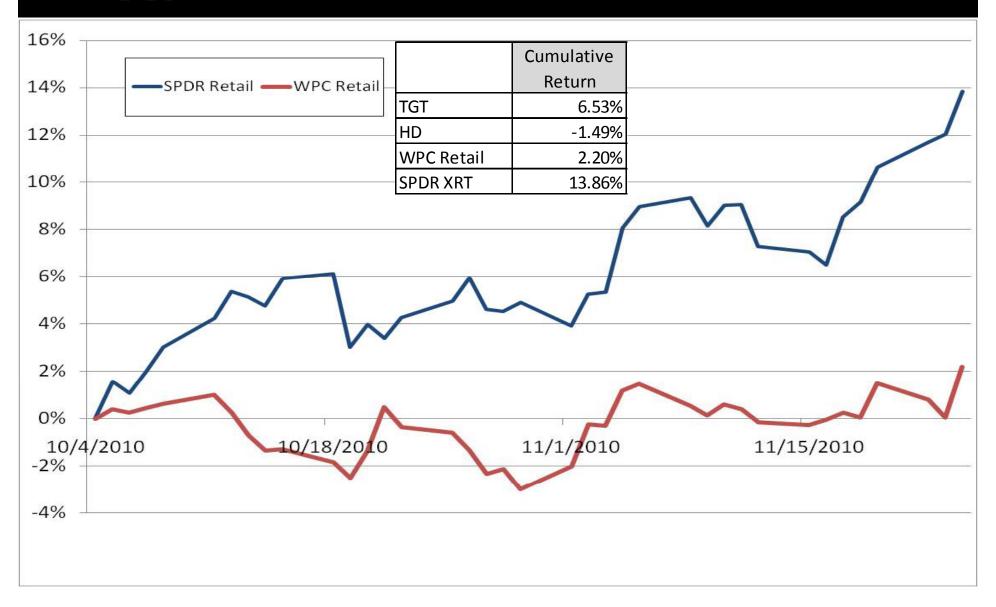
# WPC Industrial Securities vs. SPDR Industrials



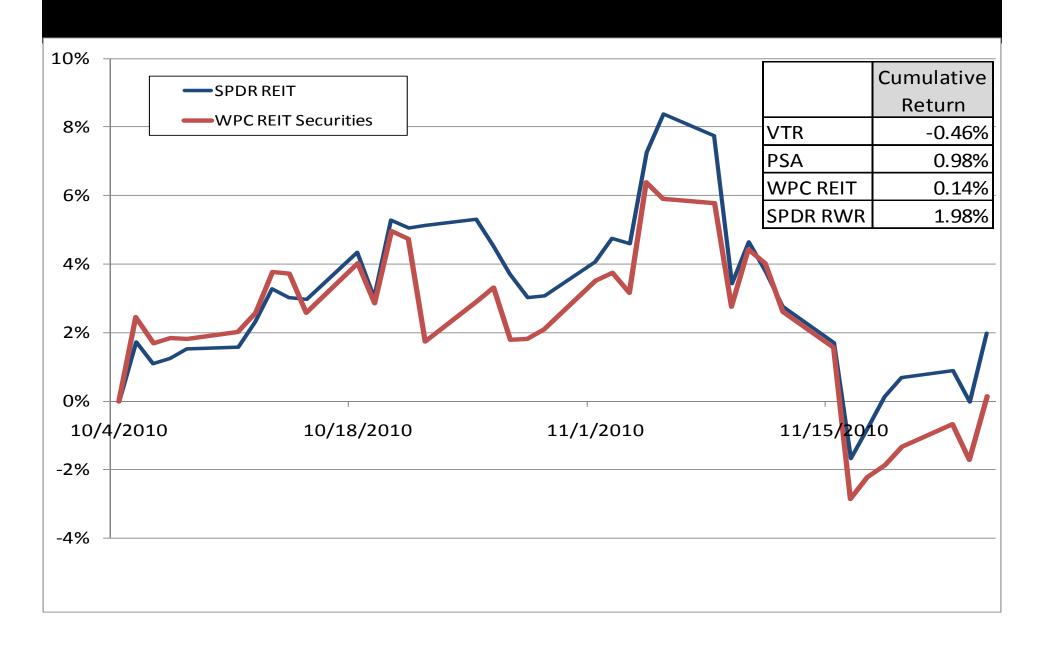
# WPC Energy Securities vs. SPDR Energy



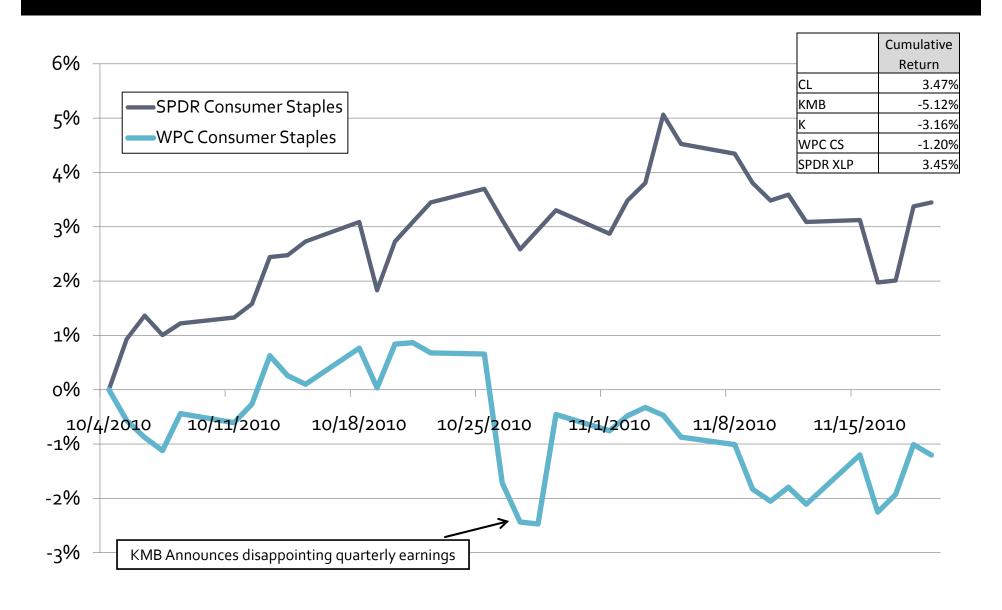
# WPC Retail Securities vs. SPDR Retail



#### WPC REIT Securities vs. SPDR REIT



### WPC Consumer Staples vs. Index



## Appendix B – Resumes