

Performance Metrics

Overview

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Performance Portfolio Management



Advanced Portfolio Management Process

Blue and green activities are part of portfolio management.



Activities as defined by OSCRE Strategy and Planning Working Group.

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Performance Metrics

Metrics provide benchmarks, targets, and progress measures for portfolio optimization

Metrics measure more than financial issues

- Cost if lower costs may sacrifice other goals
- Quality / productivity
- Responsiveness
- Flexibility
- Balance sheet structure
- Business risks disaster recovery, political instability
- Social responsibility and sustainability

CRE should provide different metrics for different stakeholders

Metrics should not be used for forecasting



Metrics Implementation

Keep simple and focused on organizational needs

• Different measures for different stakeholders

Go beyond financial measures

Develop for whole portfolio and relevant segments and clusters

- Space categories
- Geographic locations

Establish consistent metrics

- Owned versus leased properties include cost of capital
- RSF vs USF

Set targets and benchmark metrics

- Are metrics consistent with CRE strategy?
- Are metrics better or worse than peers?

Use in performance evaluations and compensation decisions

Develop strategies to improve performance



Metrics Approaches

Identify CRE critical success factors – what are the objectives

Identify key performance indicators (KPIs) / performance metrics for these success factors, how do we measure

Selected approaches

- Balanced Scorecard
 - Introduced by Kaplan and Norton (1992), now trademarked
 - Used by over 50% of Fortune 500
 - Components
 - Customer
 - Process
 - Financial
 - Learning

• Triple Bottom Line

- Recent approach, used more in Europe
- Components
 - Financial (Profit)
 - Social Responsibility (People)
 - Environmental Sustainability (Planet)



Possible Metrics – Balanced Scorecard

	Stakeholders									
Metrics Categories	CEO, CFO	Business Group Executives	CRE Executive	Planning and Strategy Team						
Financial Cost	 WPR / CRE expense / revenue, corporate expenses WPR / CRE expense / persons housed WPR / CRE expense / demand driver CRE impact on balance sheet Cost saving achieved through initiatives – consolidation, flexible officing, outsourcing 	 WPR / CRE expense by business group Business revenue / real estate supply measure – revenue per store 	 WPR / CRE expense / SF (including sub-components and additions for cost of capital WPR / CRE expense / seat CRE overhead expenses / persons housed Cost per move, seat reconfiguration, other real estate activity Contract rent relative to market rent 	 WPR / CRE expense / other demand drivers 						
Volume	Utilization rate		 SF / persons housed SF / other demand driver (engineer, clients, product, etc.) 	 SF / Seat Share of space devoted to site services, team space 						
Customer Asset Quality	Client satisfaction measure	 Workplace quality measure Marketing, brand, image value Business continuity measure, space concentration 	 Persons housed / seat Share of FTE or workstations moved per year 	 Forecasted percentage change in space by classification Share of persons served by work type (traditional, mobile, telework) 						
Process and Service Quality	Project completion time	Disruption, churn rates	 Forecast of workload Share of authorized projects completed Planning results vs goals 	 SF managed / planner Persons housed / planner 						
Process Flexibility	 How readily can portfolio contract or expand to meet changing needs – time and cost measure 		 Commitment duration (lease vs. own, lease term distribution) How much can be disposed or added within time period 	 Measure of ability to switch space between usage and types Share of expensive fixed improvements in core space 						

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Data and Sources

Technology is important to portfolio management. Collecting and reconciling the data can be the most difficult parts of creating performance metrics because the data comes from so many sources.



Facility Capacity and Configuration Data CAFM Systems

Special Surveys for Special Use Space

Facility Cost Data

Lease Administration, Portfolio Administration

Facility Management

General Ledger

Occupancy Data

CAFM Systems

HR, Security, Telecom

Existing Asset Values

Capital Accounts

Discussions with Real Estate Market Experts



III. Key Drivers for ABN AMRO's Sustainability Journey

Sustainability Rating Agencies & SRI Funds

Performance of ABN AMRO's peer group top 20 in the DJSI World



Peers	Index	Sector	S	Score 2003		Score 2002			
			есо	env	SOC	есо	env	SOC	
Group 1									
Citigroup	DJSI World	Financial Services	5	5	5	4	4	4	
NG	DJSI World/ Stoxx	Insurance	5	5	5	5	5	5	
Group 2									
ABN AMRO	DJSI World/ Stoxx	Banks	5	4	4	4	4	5	
Credit Suisse	DJSI World/ Stoxx	Banks	3	5	5	4	5	5	
UBS	DJSI World/ Stoxx	Banks	4	5	5	4	5	5	
Group 3				•			•		
Barclay's Plc	DJSI World/ Stoxx	Banks	3	5	4	4	4	5	
BNP Paribas	DJSI World/ Stoxx	Banks	4	4	4	5	4	4	
Deutsche Bank AG	DJSI World/ Stoxx	Banks	4	4	4	4	5	5	
Hypo Vereinsbank	DJSI World/ Stoxx	Banks	4	4	4	5	4	4	
Lloyds TSB	DJSI World/ Stoxx	Banks	3	5	4	4	5	5	
Group 4									
Fleet Boston	DJSI World	Banks	4	3	4	l	not rated	k	
HSBC	DJSI World/ Stoxx	Banks	4	3	4	5	3	5	
Société Generale	DJSI World/ Stoxx	Banks	4	3	4	4	3	4	
Group 5									
BBVA	DJSI World	Banks	3	3	4	4	3	4	
GSCH	DJSI World/ Stoxx	Banks	3	3	4	5	2	4	
Not rated									
Bank One		Not rated							
Wells Fargo		Not rated							
JP Morgan Chase		Not rated							
Merrill Lynch		Not rated							
Morgan Stanley		Not rated							
Nordea		Not rated							



Resources for Triple Bottom Line

Dow Jones Sustainability Index

- Includes ratings by industry
- www.sustainability-indexes.com
- Created by SAM Group The indexes are based on SAM's corporate sustainability assessment, which identifies global sustainability leaders on the basis of economic, environmental and social criteria.
- www.sam-group.com

"Values and Value: Communicating the strategic importance of Corporate Citizenship to Investors"

- World Economic Forum Global Corporate Citizenship Initiative
- www.weforum.org/corporatecitizenship

World Business Council for Sustainable Development

- The World Business Council for Sustainable Development (WBCSD) is a coalition of 170 international companies united by a shared commitment to sustainable development via the three pillars of economic growth, ecological balance and social progress.
- www.wbcsd.ch



Dashboard Examples

Goals with dashboards

- One screen shows key metrics relevant to that stakeholder
- Real time combining different data sources
- Graphic representations
 - Speedometers
 - Direction arrows to show improvement or decline





Productivity Metrics

A constant challenge - How to evaluate productivity improvements that are costly?

Examples of productivity indicators

- Productivity for activities that can be replicated call centers
- Perceived productivity extent to which worker believes environment supports their productivity
- Customer satisfaction
- Time in activity looking for colleagues or available team space, setting up workspace
- Indirect indicators absenteeism, retention
- Workplace characteristics that improve productivity
 - To what extent are these workplace characteristics present?
 - Experimental tests of productivity improvements from these characteristics

Facility Management Metrics Approaches



Facility Condition Assessment

Facility
Condition=total cost of existing deficiencies
current replacement valueIndex (FCI)current replacement value

Cost of Existing Deficiencies

Required Capital Improvements Deferred Maintenance Life-Safety Codes Internal Standards ADA Other codes



Facility Management Metrics Approaches

Functionality, Serviceability, and Condition

- Serviceability Tools and Methods (ST&M) International Centre for Facilities
- Facility Performance Index FM Tools
- American Society for Testing and Materials (ASTM) Standards

Typical information technology A.5									
Office computers and related equipment A.5.1	1	6							
Power at workplace A.5.2	Ε	6							
Building power A.5.3	Τ	4							
Data and telephone systems A.5.4	Ε	5							
Cooling A.5.6	Ι	7							



1	2	3	4	5	6	7	8	9

Ε	7		
Ε	6	Т	
Ι	5		
Μ	6		

Image to Public and Occupants A.11

	-
Exterior appearance	A.11.1
Public spaces within building	A.11.3
Finishes and materials in office spaces	6 A.11.5
Identity outside building) A.11.6

Metrics Calculations Data Element Examples



Data Element Categories

- Space
- Use
- Cost (below) preliminary, to be reviewed in with OPD data elements

		Corporate Rev	enue														
		Corporate Exp	enses													Profit	
	Broad Categories	Workplace Expenses											Other				
	-	Workplace Exp	Vorkplace Expenses - CRE									ace Expenses -	IT, Telecom (voice	e, data)	Expenses		
			Occupancy Costs														
ses		Gross	Rent			Othe	r occupancy co	st components									
d Expen	Cost Categories	Contract Rent	Contract Rent Operating Expenses Other expenses		CRE	Overhead	Depreciati	on Amortization	Other Onsite Occupancy Costs	Payments for alternative office spaces	Personal equipment	Connectivity	Corporate infrastructure equipment	Other			
and		Net Rent	Repairs and maintenance C		Corporate sta b	orate staff - salary, wages, benefits Purchase Price		hase Price	Interest and Principal Payments	Home offices	Voice (phone, Voice (service and time	Voice (service and time LAN, WAN	Mail, delivery				
Ines		Percentage Rent	Maintenance and operations	Janitorial, cleaning	Outsourced	Salaries, wages, benefits	Building Ca	pital Expenditures	Imputed Cost of Capital	Club fees	pagers)	charges, installation)	equipment	Insurance, taxes			
sver		Operating Expense Stop		CAM - common area maintenance	services	Other outsource payments		Furniture	Gains and losses on sales	Other fees	Data (laptop, fax, printers,	ptop, Data (service nters, and time	Signal carriers,		-		
Å		Tenant	Tenant	Tenant	Basic utitlies	Professiona arcl	l fees, incl. legal, nitectural		Construction	Penalties		software, modems)	charges, installation)	PBX, satellite			
	Cost Detail	Amortization	Ounties	Intensive-use utilities	Travel	and training	Tenant Expenses	Reconfiguration	Option payments					_			
				Taxes	S	upplies		Wiring	License and usage fees								
				Insurance	Other overh	lead - space, IT, lecom		Moves		-							
							Transaction Costs	Acquisition Disposition	-								



Metric Refinements Comprehensive Cost Measures

Integrated infrastructure management will require more attention to IT and telecom expenses.

Workplace Expenses												
Workplace Expenses - CRE							Workplace Expenses - IT, Telecom					
Occupancy Costs												
Gross Re	ent	Oth	er occupancy cost	components								
Contract RentOperating ExpensesCRE OverheadDepreciation AmortizationOther Onsite Occupancy Costs (imputed costs of capital, gains and losses on sales, fees, option payments)Payments for alternative office spacesPersonal equipment (voice, data)Connectivity connectivity (voice, data)Additional corporate infrastructure equipment								Other (delivery, insurance, taxes)				
	Supplies, surgit Payments/ costs) From "Practices and Techniques: The Accounting Classification of Workpoint Costs," Institute of Management Accountants, IDRC, KPMG, Comsul Ltd, Commonwealth Advisers											

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What's My Utilization? Inquiring Corporations Want to Know

Two Days for a CRE 2010 Company





Metrics Refinements New Workplace Strategies

Changing demand relationships for office space

- More non-employees using space, organizations require fewer workspaces per employee
- More mobile workers, organizations require fewer workspaces per employee
 - Results from one study Max. share of individual workspaces occupied at point in time – 45% - 60%
- More group workspaces required conference rooms, informal meeting areas, increased USF / individual workspace

Employees	Contra	ctors, Vendors, Outso	urced Workers	
	Persons Served			
Persons Housed	Other Person	s Served		
Assigned Workers	Mobile Worke	rs	Building Services Workers	Teleworkers

Are similar changes happening for other space categories?



Performance Metrics

Cost Per Persons Housed

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Performance Portfolio Management



Cost per Person Metrics Analysis

Top-down metric decomposition - works well for historical comparisons and understanding real estate cost drivers.



For sample sub-portfolio metrics 1.4 million square feet, 10 buildings 5,360 workers



Historical Metric Analysis

Accruent's PortfolioPlanner module tracks the historical relationships between revenue, headcount and occupancy costs.





Cost Metric Consistency

Are owned properties really less than half or two-thirds as expensive as leased properties? No, have to include "cost of capital" or true opportunity cost.

	Cash Expenses / SF	Accounting Expenses / SF
Owned – Avg.	15.43	21.64
Plaza A	14.00	18.92
Tower	16.00	22.00
Engineering 1	16.00	21.73
Engineering 2	16.00	25.60
Leased – Avg.	35.05	37.31
Plaza B	32.00	35.20
Cluster A	34.00	34.00
Cluster B	31.00	36.40
Cluster C	36.00	36.00
Centre	35.00	39.00
Engineering 3	41.00	41.00

Better cost metrics

- Cash + depreciation + imputed interest (EVA – Economic Value Added)
 - Depreciation does not include cost of capital if financing measured separately
 - Accounting cost = Cost / Useful Life
 - True cost = Amortization of Cost over Useful Life
 - Cost of capital should be based on current market value, often easier to use original cost or book value
- Market rent for owned properties
 - Market rent indicates the opportunity cost of the property – what could you receive if leased the property to someone else



Cost Metric Consistency

With better cost metrics for owned properties, owned and leased properties show similar costs per square foot.

	Cash Expenses / SF	Accounting Expenses / SF	Cash + Depr + Imp Interest/ SF	Market Rent for Owned / SF
Owned – Avg.	15.43	21.64	38.26	37.05
Plaza A	14.00	18.92	36.63	33.00
Tower	16.00	22.00	37.18	36.00
Engineering 1	16.00	21.73	38.08	40.00
Engineering 2	16.00	25.60	42.95	40.00
Leased – Avg.	35.05	37.31	40.76	
Plaza B	32.00	35.20	40.11	
Cluster A	34.00	34.00	34.00	
Cluster B	31.00	36.40	44.68	
Cluster C	36.00	36.00	36.00	
Centre	35.00	39.00	45.14	
Engineering 3	41.00	41.00	41.00	

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Cost Allocation

CRE executives should use the right costs to drive appropriate behavior.

Example:

- CRE for major financial services company with offices in New York City charging its corporate tenants in owned space cost = cash + depreciation (approximately \$30 - \$40 / sf).
- CRE realizes that many activities in NYC could be relocated to
 New Jersey with owned space leased to other tenants.
- Business units don't want to relocate.
- CRE changes cost for allocation to market rent, approximately \$70 / sf.
- What happens?

CORENET LEARNING

Metrics are Not for Forecasting

"The performance data featured represents past performance, which is no guarantee of future results." *From mutual fund investor information.*





Metrics and Bottoms-Up Forecasts

To forecast metrics, planners need a comprehensive bottoms-up model. With this model, new guidelines and consolidation reduce Cost per Persons Housed slightly compared to "Business As Usual," but not by as much as predicted using the metrics decomposition as a forecasting tool.





Can We Optimize With Metrics?

Would like to measure and optimize

- Productivity
- Costs
- Flexibility / responsiveness

Metrics Challenges

- Can't measure productivity
- Difficult to measure flexibility
- Difficult to estimate impact of new strategies

Sub-Portfolio / Cluster Plan Approach

- Within sub-portfolio, identify trade-offs and choose best solution
- Strategies for flexibility and scenario analysis
- Comprehensive analysis across portfolio