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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.

## Course Description

Low Performing Vendors/People are costing you more than you think! How much time do you spend managing vendors/people that take up most of your time and still do not get the performance you desire? We all collect data, but how many of us have metrics? Performance metrics is more than a buzz word, it is a cultural shift that can help us understand the overall performance of our organizations, the value of contracted services, and other key areas that can lead to improving efficiencies. This session will focus on how to track performance metrics beyond the data.



## Learning Objectives

- Use of metric documentation for vendor management.
- Use of optimal RFP methodologies that lead to a better team and contract.
- Develop simple measurement strategies that attract and drive performance and accountability.
- How to simplify and understand the various metrics in the organization?

























## What People Have Tried

Again...And Again...And Again...

- Different delivery methods
- Better contracts / terms & conditions
- Strengthening partnerships
- Longer-term relationships
- Profit sharing
- Incentives / penaltiesFast tracking

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There Is A Fundamental Problem With Our **Traditional Approach** To Business

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Just because something is written in a contract does not make it so

What Percent of Solicitations / RFP's Are 100% Accurate?

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Who Should Know More About Performing/Delivering the Services Required?

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It Is More Important For The Vendor To Know What To Do Than It Is For Client To Know What The Vendor Should Do

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## This Is Not As Simple As It Sounds

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"The Greatest Risk we always face is how to accomplish all the things that our sales team promised we could do."

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How do we attract, select, and leverage "Experts"?

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 • Step 1: Better RFPs [Metric-Based]

 • Step 2: Environment of Metric-Based

 Throughout Project Life-Cycle



















# Risk Assessment Example Controllable Risk Image: State of the state of the

## **Risk Assessment Example**

Controllable Risk



RISK: A poor roofing system can result in roof leaks, which may inconvenience building occupants, and increase complaints, maintenance, damage, etc.

Vendor A Solution:

Use our extensive roofing history to install the best system for your needs.

Vendor B Solution:

To minimize this risk, our proposed roofing system has been installed on over 400 roofs and has had an average roof age of 18 years, in which 99% of the roofs don't leak and 100% of the end clients are satisfied.

Vendor C Solution:

To minimize this risk, we are proposing a thermally-welded roofing system that has a tensile strength of 2,130 PSI, elongation of 300%, tear strength of 312lbs, has been tested for 10,000, and has a cold brittleness of -30°C.

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## Risk Assessment Example Non-Controllable Risk



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VENDOR 1

- RISK: The local water company must have the water turned on by June in order for us to water the newly installed recreational fields (or the grass will die).
- SOLUTION: We will coordinate and plan our schedule with the water company as soon as the award is made to make sure that we get water to the site to irrigate the fields.

VENDOR 2

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- RISK: The local water company must have the water turned on by June in order for us to water the newly installed fields (or the grass will die).
- SOLUTION: On past projects, the water company has failed to meet the schedule 90% of the time. To minimize this risk, we will coordinate our schedule with the water company as soon as we are awarded the project. If they fail to meet our schedule, we can connect temporary waterlines to the nearby fire hydrants, or we can also rent water trucks to irrigate the fields.

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## Uncontrollable Risk Food Services

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- RISK: The University has stated that the new construction to the cafeteria can be completed on-time. Any construction delays to the main cafeteria will impact our ability to generate food/dining revenue.
- SOLUTION: From our experience, 30% of all major campus renovations are delayed by a minimum of three months.
  - To mitigate the loss in revenue, we will bring in sophisticated mobile trailers. These trailers can provide high-end meals, along with fast food options for students on-the-go.
  - We will place these trailers around high traffic areas, and we will install signage around campus to generate awareness.
  - At a similar University that had experienced construction delays, we were able to use these trailers to generate 5% revenue during the 4 month delay.

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## Value Added Example IT Services

- The State may want to consider an alternate licensing structure. The current requirements are to purchase a license for every user. If the user is in meetings, on vacation, or not using the system, the license is not being utilized.
- In a concurrent licensing structure, we can provide a number of licenses that can alternate between users. This will allow the State to better utilize the system (and not overpay for licenses that are not being used).
- This alternate structure can result in approximately 25% savings in cost. We have done this on 5 similar accounts with 100% customer satisfaction.



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## Value-Added Examples Gym Equipment

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 Since the University is installing overhead televisions on the third floor of the Student Rec Center, the University may want to consider deleting all of the equipment mounted televisions on the cardio equipment on that floor. This can result in significant savings, or we can use these savings to potentially provide 5 additional machines in lieu of the TV screens.







## 3. Focus on the People

- 1. Get Team Members Up Front (ID in Proposal)
- 2. 15-25min Interview
- 3. Interview is One-on-One, No Notes
- 4. Key Question:

On the whiteboard: Quickly layout the project/service (from start to end) with the following:

- Identify the major activities with approximate durations
- Identify the greatest risks and where they are on the timeline
- Identify what you need from the client & when you need it

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## Key Personnel Interviews The Client may interview the following individuals: Project Manager Site Superintendent No substitutes or proxies Not a group interview Goals: Meet the critical personnel that will actually run the service Identify if they have thought about this project Identify if they can think ahead and minimize potential risks

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## Interview Comments (Goal is to Minimize Risk)

"I have no idea why I am here today"..."My boss called me last night and told me to show up for this interview" - 510 Million Project

"I did not participate at all in preparing our proposal" - \$3 Million Project

"I am not currently employed by this company, but if we win this project, they will then hire me" - \$25 Million Service Project

"I have never managed a project of this size/scope" - \$30 Million Project

"There is no risk on this project" - \$5 Million IT Project

"The greatest risk that I always face, is how to accomplish all of the things that our sales team promised we could do" -55 Million Cleannoom Design

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## **Key Personnel**

 All superintendents had significant experience (over 20 years in industry)

Some individuals did not 'look' professional

· Some individuals did not 'speak' very professionally

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## Interview Comments (Goal is to Minimize Risk)

Superintendent 2

"I got a call yesterday to be here today. I haven't walked the roof yet."
 "I can determine the risks once we are awarded the project and after I walk the roof."

## • Superintendent 3

- "I just found out 2 days ago that I was assigned to this project."
- "I haven't had time to investigate the roof since I just flew into State."
- "I haven't walked the roof. I tried to take a look at it this morning."

## • Superintendent 4

- "I haven't walked the roof, but I've seen pictures. I don't think there should be any ponding issues.
- "I was not involved with preparing the proposal at all."

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## Clarification / Pre-planning

1. Cost Verification

- Provide a detailed cost breakdown
   Identify why the cost proposal may be significantly different from competitors
- Review big-ticket items Review value added options
- Identify how payments will be made and all expectations regarding finances
- 2. Preplan in Detail
  - Coordinate the project/service with all critical parties
  - Revisit the sites to do any additional investigating
     Prepare a high level project schedule

  - Prepare a schedule of client activities
  - Prepare a detailed project work plan (transitioning, training, safety, security, staffing, etc)

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# Clarification / Pre-planning Aview and address all assumptions Cearly identify the client's roles and responsibilities Potential deal breakers What is included and excluded in the proposal Review and approve all contract terms and conditions Cuentify and mitigate all uncontrollable risks Identify the impact of the risks Identify the impact of the risks Address how unforeseen risks will be managed

No	CRITERIA	Traditional RFP	Expertise Based RFP	
1	Number of projects analyzed	11	10	
2	Total awarded cost	\$14,244,385	\$9,994,887	
3	Total awarded schedule	1,822	1,373	
4	Percent awarded cost below budget	4.4%	6.0%	
5	Average Pre-Award duration (days)	0	7	
6	Average Overall Change Order Rate	50% Decrease		
7	Average Overall Project Delay Rate	38% Decrease		
8	Client Satisfaction Rating of Contractor/Job	34% Increase		

## Particle Accelerator / Cyclotron Facility (University of Alberta)

 SCOPE: Renovate an existing curling-rink facility into a specialized radiopharmaceuticals research facility that houses a 24MeV cyclotron. The cyclotron will be housed in a specialized vault that will house the particle accelerator. The facility will produce and provide a steady supply of isotopes (including clinical-quality technetium-99m - isotope used for 80% of nuclear medicine diagnostic procedures) used to help patients with cancer, cardiac, neurological and other diseases.

• BUDGET: \$30 Million

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## Proposals

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- 4 contractors proposed
- Best-valued contractor was not the lowest or highest bid, but was 5.3% below average cost
- Best-valued contractor had a technical proposal that was rated 81% higher than the competitors

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08			Sample WRR - CONDTRUCTION (Comp	tibility Mode[-Decel				7 00 - 0 A Inte Seriety -
<u>.</u>			1 = = = 0 + 10000100 00000 - 0	Romal Former an Norm				
12		× ✓ ft						
NO	DATE	RISK CATEGORY	RISK DETAILS	IMPACT TO PROJECT DURATION	IMPACT TO PROJECT COST	PLANNED RESOLUTION DATE	ACTUAL DATE RESOLVED	CLIENT PM SATISFACTION RATING
, •	1/1/11	Party Responsible for the Kisk 1. Vendor 2. Owner 3. Unforessen	Denothe: 1. What is the shik (high lowel)? 2. What is the plan to miligate this shik (high lowel)? 3. Namely/of shidshah responsible for resolving the lower? 4. Potential impacts?	35 Days	\$10,000	2/25/13	2/1/11	(1-50) Rating Of Hisk & Solution
3 1	_							
4 2								
1							-	
7 3								
1.4								
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72 8								
11 9 12 30				-				
13 11						-		
14 12								
	SURA	MRY UNFORESEEN RESKS						



Risk Category	Number of Risks	Impact to Cost	Impact to Schedule	Percent Impact to Cost	Percent Impact to Schedule
1) Client Impacts	114	\$660,369	1,200	59%	46%
Client Scope Change / Decision	111	\$ 660,369	976	59%	37%
Client Requested Delay	3	s -	224	0%	9%
2) CPPM Impacts	135	\$329,425	885	30%	34%
Design Issue	48	\$ 189,876	230	17%	9%
CPPM Issue (Codes / Permits)	36	\$ 46,140	170	4%	7%
CPPM Issue {EnergyMgmt}	2	\$ 47,533	30	4%	1%
CPPM Issue (Hazardous / Health & Safety)	8	\$ 35,407	118	3%	5%
CPPM Issue (NTS)	8	\$ 10,018	64	1%	2%
CPPM Issue (Contract / Payment)	11	s -	132	0%	5%
CPPM Issue (Other)	22	\$ 451	141	0%	5%
3) Contractor Impacts	43	\$21,005	411	2%	16%
Contractor Issue	11	s -	101	0%	4%
Contractor Oversight of Design	9	\$ 21,005	38	2%	1%
Contractor Issue with Supplier / Sub	23	ş .	272	0%	10%
4) Unforeseen Impacts	19	\$102.544	111	9%	4%







## **Metric-Based Environment**

- Must be simple and dominant
- Must be for the purposes of positive accountability
- Transparency and openness

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 Measuring against a plan (or expectation created by the individual/team doing the work)

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This concludes The American Institute of Architects Continuing Education Systems Course

