# Improving project and program processes in government

Nimble. Creative. Efficient.

Angie Andersen, Sr. Solutions Engineer, Smartsheet



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#### **Smartsheet Gov**

Innovation without compromise

FedRAMP & DISA IL4 authorized cloud-based CWM platform

Trusted by federal, state and local agencies

Designed to help you meet security and compliance requirements

























#### Who we are

#### Professional expertise and real world experience



**Angie Andersen** Senior Solutions Engineer

Smartsheet











**"Darryl" Robert Frazier**Division Director for Project
Management and Enterprise
Risk Solutions

NOAA Office of the Chief Financial Officer



**Rashmi Maheshwari** Information Systems Analyst

City of San José, Department of Public Works



#### **Learning objectives**

- Understand how to use Control Center to set up a project and portfolio management framework for your enterprise
- Understand how to run a project and portfolio management solution to track tasks and manage resources
- Learn how Smartsheet commercial and Smartsheet Gov can use reporting to connect the dots between strategy and execution



#### **Table of contents**

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**Connect the dots**between strategy and
execution



### The NOAA approach to enterprise PPM success

**Customer use case** 

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The NOAA Approach to Enterprise P/PM Success - Darryl Frazier



NOAA'S MISSION IS TO UNDERSTAND AND PREDICT CHANGES IN CLIMATE, WEATHER, OCEANS, AND COASTS, TO SHARE THAT KNOWLEDGE AND INFORMATION WITH OTHERS, AND TO CONSERVE AND MANAGE COASTAL AND MARINE ECOSYSTEMS AND RESOURCES.

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#### Background - The NOAA Enterprise PM Approach

NOAA OCFO was tasked to develop and sustain a robust NOAA-wide Program and Project Management (P/PM) Initiative to support career development, collaboration and recognition opportunities, open to all employees, to better recruit, retain, and strengthen talent across NOAA for improved P/PM performance.























#### **Background - Program Management Council**

- NOAA's Program Management Council (PMC) is the leadership oversight function for Programs, Projects and Activities (PPA)
- Key forum for senior managers to engage and understand the risks, challenges, and successes of the organization's program execution and acquisition activities
- Major goals of the PMC include:
  - Provide integrated assessments of performance vs. plan for NOAA PPAs
  - **2** Provide direction for corrective or alternative actions when necessary
  - **3** Facilitate Milestone Approval and/or Key Decision Points (KDP) as needed
  - 4 > Provide organizational support at Program Manager request or PMC discretion





















#### **Challenge - Enterprise PM Approach**

Perks of a focus on a defined network of program and project management (P/PM) support

Being innovative while transitioning the culture of a traditionally science and engineering organization for employees, managers and leaders while maintaining NOAA standards

Implementing the requirements of the Program Management Improvement Act of 2016

Building a hierarchical reporting structure that provides appropriate oversight and monitoring at appropriate levels

Developing a complete solution, with care and support for this transition at all levels of the organization

Implementing an enterprise Program and Project Management solution





















#### Solution - Journey Map to Enterprise P/PM Success

#### **Gap Analysis**

- What resources are readily available?
- Are PMs properly certified?
- What do stakeholders want/need?

#### **Training & Development**

- Community of Practice
- FAC-P/PM Training
- Recognition

#### **Automated P/PM Solution**

- Strategic Partnerships
- Standardized Reporting
- Executive-level Information

#### **Enterprise PM**

- Employee Training and Resource needs are met
- Improvements to Executive Reporting
- Knowledge-sharing Community





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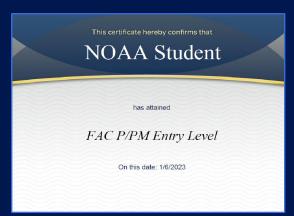






#### **Solution - EPN Working Group Initiatives**

#### **Training and Development**



- FAC-P/PM Certification Program
- Internal FAC-P/PM Instruction Program
- Certification and Non-Certification Training and Development

#### Collaboration



- NOAA-wide, monthly EPN Newsletters
- Community of Practice (Internal and External)
- Professional Speaker and Interactive Workshop Series
- PM Open Forums

#### Recognition



- EPN Project Management Spotlight
- Individual, Team, Office Awards
- NOAA Awards Program
- Benchmark Excellent Practices
- Data Analytics



















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#### **Solution - EPN Community of Practice**

#### **Enterprise PM Network Newsletter**

- Monthly newsletter that is distributed at the beginning of each month to ALL NOAA employees/ Sent in coordination with the DUS/O's Office
- PM Spotlight- awarded each month for exemplary individual, project, or team (signed/presented by DUS/O)
- · Upcoming training and CLP opportunity announcements/registration

#### **Opportunities for Continuous Learning**

- Interactive Forum
- Professional Development Speaker
   Series
- PM Mentoring Program

#### Resources

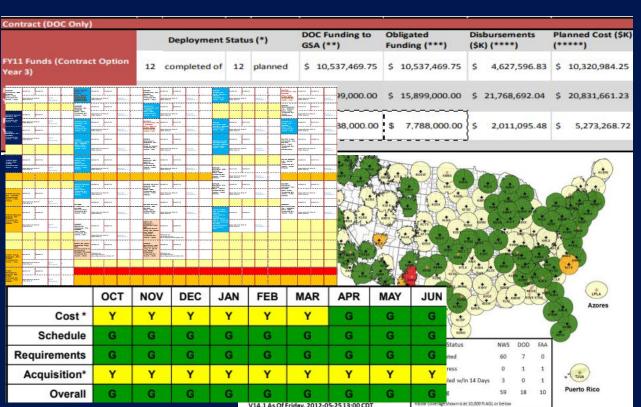
- EPN Community of Practice Google Space
- CLC Landing Page
- Templates
- Google Drive



methods, theories, and strategies used for implementing an agile PM style in various generies. We also got to hear from a few of our own groups, NESDIS Common Cloud Framework (NCCF), and the Radio Frequency Interference Model

#### Our challenge - Program Management Council (PMC)

Pitfalls of non-standard program/project reporting



#### **Presentation Format**

- Large volume of slides
- Unfocused information

#### **Presentation Level of Effort**

- Manual template set up and replication
- High level of effort to manage, create and review slides

#### **Presentation Effectiveness**

- Risk of information overload
- Linear presentation





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#### **Solution PMC Overview and Requirements**

Create a tool that can standardize
Program/Project Management Activities
for NOAA PMs

Through its design and implementation, the solution returns valuable time and resources to the Line/Staff Offices better used for managing projects and supporting the mission. Use of this solution across NOAA is optional, but has been endorsed by the PMC for use by programs / projects designated for PMC presentations and is being adopted at different levels within multiple Line/Staff Offices.

**Fully automated** 

**Scalable** solution

Build-once, use-many model

**User-friendly** 

interface

Simple implementation

**Cost effective** 

















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#### **Solution Success - PMC**

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#### **Benefits of Standardized Program/Project Reporting**



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#### **Presentation Format**

- Standardized software solution
- Succinct Data Presentation

#### **Presentation Level of Effort**

- Automated Smartsheet buildout using Control Center Templates
- Vastly reduced presentation development time
- ✓ Create-once use-many model

#### **Presentation Effectiveness**

- Executive level presentation
- Reduced presentation time



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#### Bipartisan Infrastructure Law (BIL) Structure (Provisions)

- 1. National Oceans and Coastal Security Fund grants
- 2. Habitat Restoration
- 3. Flood and Inundation Mapping and Forecasting
- 4. Water Resources Development Act data acquisition
- 5. Wildfire (ORF)
- 6. Soil Moisture and Snowpack Pilot Program
- 7. Marine Debris NOS
- 8. Marine Debris OAR
- 9. Coastal Zone Management (CZM)

Climate Ready Coasts

**Total \$1.47 Billion** 

Fisheries and Protected Resources

**Total \$592 Million** 

Climate Data and Services

**Total \$904 Million** 

- 10. National Estuarine Research Reserve System (NERRS)
- 11. Ocean and coastal observing systems (ORF)
- 12. Regional Ocean Partnerships
- 13. Consultations and permitting
- 14. Fish passage
- 15. Wildfire (PAC)
- 16. Research supercomputing
- 17. Ocean and coastal observing systems (PAC)
- 18. PCSRF



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#### Bipartisan Infrastructure Law (BIL) Structure (Provisions)

Portfolio		Provisions
1	Climate Ready Coasts (NOS, NMFS, OAR)	<ol> <li>National Oceans and Coastal Security Fund grants</li> <li>Habitat Restoration</li> <li>Marine Debris- NOS</li> <li>Marine Debris- OAR</li> <li>Coastal Zone Management (CZM)</li> <li>National Estuarine Research Reserve System (NERRS)</li> </ol>
2	Fisheries and Protected Resources (NMFS)	13. Consultations and permitting 14. Fish passage 18. PCSRF
3	Climate Data and Services (NWS, NOS, OAR, OCIO)	<ul> <li>3. Flood and Inundation Mapping and Forecasting</li> <li>4. Water Resources Development Act data acquisition</li> <li>5. Wildfire (ORF)</li> <li>6. Soil Moisture and Snowpack Pilot Program</li> <li>11. Ocean and coastal observing systems (ORF)</li> <li>12. Regional Ocean Partnerships</li> <li>15. Wildfire (PAC)</li> <li>16. Research supercomputing</li> <li>17. Ocean and coastal observing systems (PAC)</li> </ul>

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#### Solution - Performance, Risk, and Social Science



#### **Enterprise PM Network\***

A/PMC\*- NOAA's Program Management Council (PMC) is the leadership oversight function for programs, projects and activities. It is the key forum for senior managers to engage and understand the risks, challenges, and successes of the organization's program execution and acquisition activities

**Risk Expert Network**- Providing enterprise wide risk guidance, framework, templates, training and best practices to the NOAA Risk Community

**Customer Experience**- Understanding and enhancing the way that customers and partners experience NOAA's products and services

**Economic Analysis-** Increases NOAA's capabilities of providing sound analysis and information necessary to strengthen the NOAA leadership decision-making process

**Performance-** NOAA provides performance and evidence reporting to the public in accordance with U.S. White House guidance, laws, and executive orders



















#### Impact - The enterprise approach

#### NOAA Enterprise PM Network

- P/PMs are developing the skills and competencies they need and receiving the appropriate FAC-P/PM certification
- Workforce is aware of upcoming opportunities and are engaged
- Sharing best practices and methodologies

#### **Automated PM Solution**

- Executives are spending less time reviewing overly-detailed reports
- By using standard reporting templates, LOs/SOs are able to refresh monthly data more efficiently
- Information sharing becomes easier between offices

## Standardized approach to program and project management

- Result is a one-NOAA approach to program and project management
- When programs or projects begin to adopt enterprise-wide tools and training opportunities, time and effort is saved.
- Executive level-briefings are smoother more deliberate
- Model becomes a template for all NOAA Programs/Projects, not restricted to those who report to the PMC



















#### Lessons learned and key opportunities

#### **Lessons Learned from our Journey:**

Use requirements to determine the solution, do not fit a predetermined solution to a set of requirements

Consider in-house options before outsourcing your needs

Consider a phased implementation approach for a smoother transition

Leverage internal partnerships for strategic success

#### Opportunities for continued P/PM enhancement in NOAA:

Opportunity for continued streamlining by use of BIL/IRA approach

With Enterprise Dashboards, and a standardized approach to P/PM, executives can make more informed decisions, and have more time to focus on issues/risks

Continuing to offer information and events to an actively engaged P/PM workforce (newsletter, Interactive Forums, etc.)

Cohesive reporting that takes into account risk, economic impacts, performance, customer experience, and stakeholders

# 2

## The City of San José: A game changing solution

**Customer use case** 

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#### Public Works Department City of San José , CA



San José is 3rd largest city in California with a budget of \$5.3 billion. Public Works is one of the largest department and overseas 350+ capital improvement construction projects. Our mission is to provide excellent service in building a smart and sustainable community, maintaining and managing City's assets and serving the animal care needs of the community.

<u>Capital Project Management Software (CPMS) Tech Team</u> builds in-house solutions to support the department. We are replacing a 30-year-old software system to collect data on Capital Improvement Projects (CIP). Our approach has been to

- Use open-source technologies to create in-house software.
- Include SaaS platforms like Smartsheet and SharePoint in our ecosystem.





#### Background

Resource Planning & Management (RPM)

To predict next fiscal year's budget, we collect information of on-going & future projects.

- Staffing resources
- Non-staffing resources
- Upcoming staffing opportunities.





#### Challenge

#### ▶ Barriers to success **Pain points** ▶ Goal Use of different \* No central working space. (+) software tools \* Data siloed on local machines Inconsistent \* Different templates across teams calculation methods across teams \* Manual data entry to CPMS Data redundancy

Create a centralized solution to streamline and standardize the scheduling and cost estimates for Capital Improvement Projects.





# Solution Capital Project Planner (CPP)

#### **Pre-defined templates**

- All teams use consistent templates
- Easier to enter data & find information
- Consistent calculations

#### **Integration**

- One click Integration
- Reduces manual data entry

#### **Dashboards & reports**

- Data transparency
- Identify new key metrics
- Identify trends or patterns over the years





#### **Solution overview**

**CPP using Smartsheet Control Center & Workapps** 

CIP Project Planner (CPP) leverages Control Center, Automations, and API to centralize and update CPMS key deliverables.



**Solution Architecture** 





#### **Solution benefits**

•

learning curve

No extra login required. Azure Authentication should work.

Users have simplified access to the tools they need, reducing asset sprawl and manual data collection.

#### Data collection in cloud Better collaboration space Permission control View access with no license. **Easier adoption by end users** Familiar grid sheets results in low Stable platform Easy admin settings Easy configurable solutions Out of box solution with rich features **▼** smartsheet

**Collaborative workspace** 

#### **Impact**

#### **Streamlined Public Works Productivity**

#### 1. Improved employee productivity

- Centralized data
- Less redundancy
- Consistent calculations

# Streamline Process

#### 2. Enhanced visualizations

- Staffing yearly trends
- Staff workload heatmaps
- Cost analysis

#### 3. Real-time insights

Continuous cost estimates & staff planning upto next 5 years



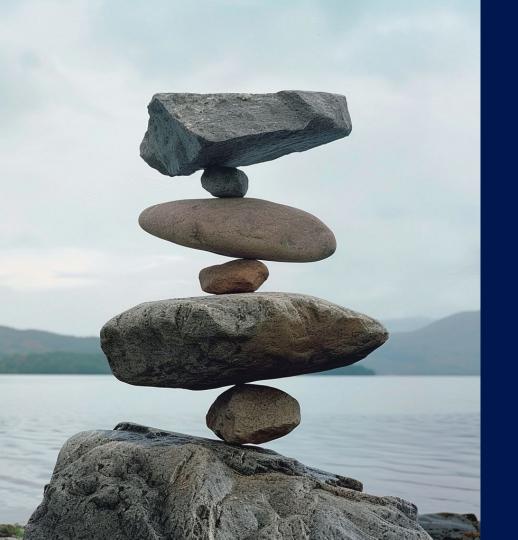


#### **CPP** journey

Phase 0 Phase 1 Phase 2 **Study Control Center** Improve blueprint Improve blueprint, bring in Collect our templates Create roll-up dashboards advanced features Soft launch Create blueprint Apply global updates to Pilot run provisioned projects Gather feedback Full launch







#### Lessons

- Balance between replicating current process as-is and new changes.
- Too many changes leads to push-backs.
- Don't be scared to bring in advance features.
   Users appreciate new and powerful features.
- Keep login process simple.
- Small group trainings works for smoother user adoption.



# 3

## Connect the dots between strategy and execution

Connecting projects, resources, and programs to strategic initiatives

#### **Speaker recap**

#### What we heard

How to use projects and resources to inform strategic planning



Project & program management



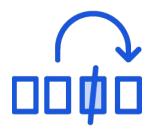
Manage resources



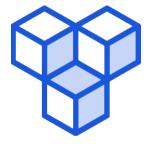
Strategic planning



#### Barriers to effective strategic planning



Fragmented views create blind spots



Cross-functional dependency creates complexity



Disengaged employees inhibit chances of success



#### Strategic planning & delivery

Create a single source of truth for strategic initiatives



Align your efforts

Consolidate and standardize all project-related data, tasks, and documents in one accessible system

• Improve collaboration

Facilitate seamless collaboration amongst cross-functional teams and departments

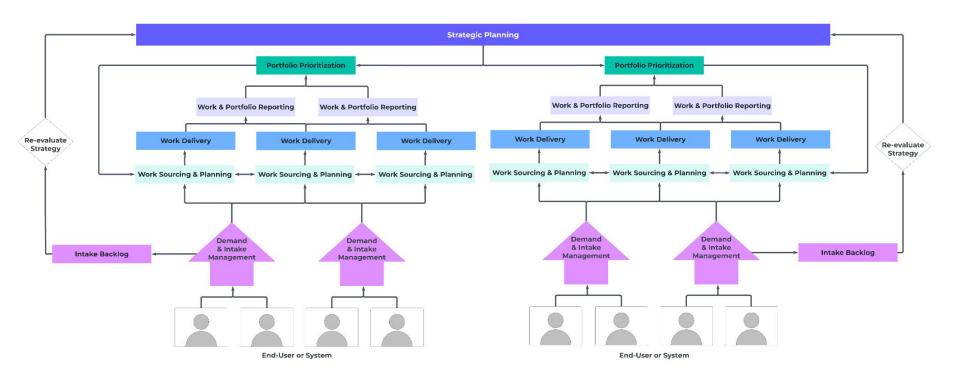
Make data-driven decisions

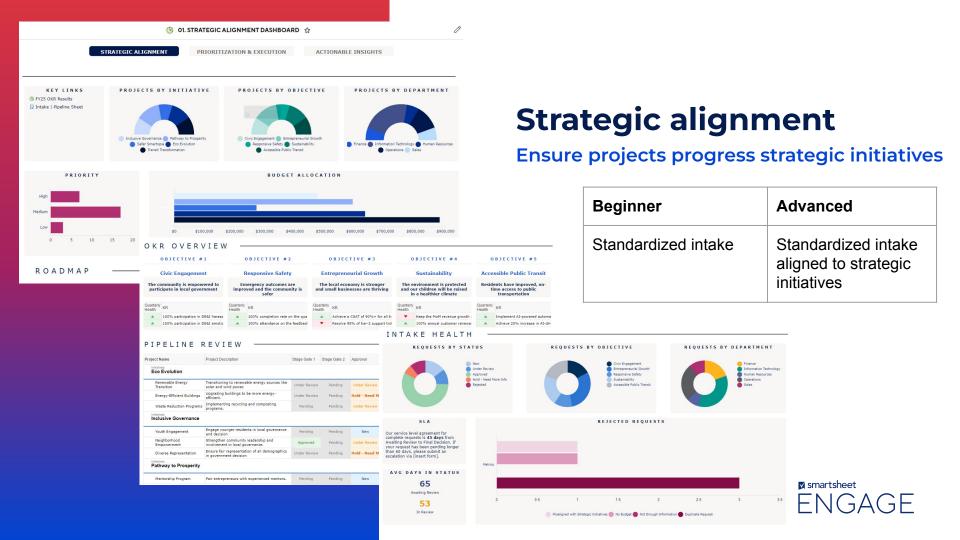
Have robust, real-time insights at your fingertips to support faster, better decision making

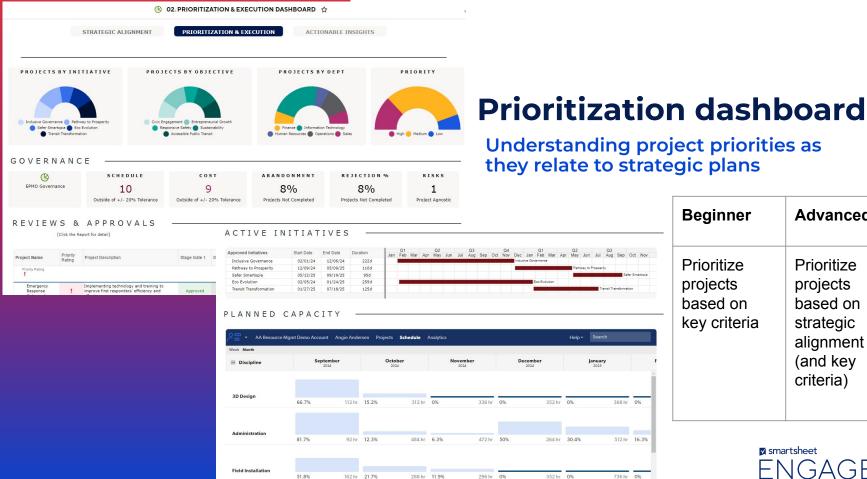


# Portfolio ecosystem powered by project portfolio management disciplines

Deploying solutions via the PPM disciplines can scale up and down to workflows, solutions, and a platform across any industry and most use cases







Understanding project priorities as they relate to strategic plans

Beginner	Advanced
Prioritize projects based on key criteria	Prioritize projects based on strategic alignment (and key criteria)



#### MBF CORP: ENTERPRISE PMO

Strategic Planning

#### PRIMARY INITIATIVE FOR FY23

**ERP Implementation** 

#### PROJECTS BY STRATEGIC GOALS



#### PROJECT DISTRIBUTION



OKR	Goal Health	Туре	Owner	Score	End Date
Broaden Awareness	-	Objective		67%	11/17/25
La Loma Village (Life Plan Community)	*	Key Result		38%	11/17/25
The Colonnade	-	Key Result		74%	12/18/24
Sun Health at Home		Key Result		89%	12/18/24
Empower Our People		Objective		90%	12/18/24
Infrastructure (All necessary components to allow for project development)	^	Key Result		100%	12/18/24
Health & Wellness District	A	Key Result		100%	12/18/24
Residential / Middle Market	_	Key Result		71%	12/18/24
Operational Excellence	▼	Objective		31%	12/18/24
Financial	-	Key Result		27%	12/18/24
Occupancy	_	Key Result		34%	12/18/24
Foundation		Key Result		34%	12/18/24
Service Delivery	-	Objective		36%	12/18/24
Center for Health and Wellness (CHW)	-	Key Result		36%	12/18/24

# Strategic planning dashboard

#### PROJECT PIPELINE

eject	Priority	Approval	Proposed Budget	Planned Start Date	Planned End Date	Weighted Total	Alignment w/ Company Goals	Market Positioning	Core Capabilities	Revenue Potential	Technica Risk
Total			2954425								
Strategic Goal Broaden Awareness			1103000								
Nitzsche-Hagenes	-	New	\$103,000	11/21/24	09/17/25	70%	7	7	7	7	
The Colonnade	1	Hold - Need More Info	1,000,000	08/26/24	10/17/24	50%	10	10			
Strategic Goal Empower Our People			\$288,970								
Dicki-Larson	1	Hold - Need More Info	\$15,000	09/07/24	11/15/24	100%	10	10	10	10	1
Gusikowski-Beatty	1	New	\$69,985	10/15/24	02/02/27	100%	10	10	10	10	1
Torp-Hagenes	-	New	\$33,985	10/12/24	01/29/25	92%	9	9	10	9	9
Muller Group	+	New	\$105,000	10/22/24	01/31/25	53%	6	5	5	5	
Bode Group	1	New	\$65,000	10/22/24	11/01/26	30%	3	3	3	3	- 3

#### ACTIVE PROJECTS

Projects by Strategic Goal	Health	Priority	Status	Project Lead	% Complete	Actual Start Date	Actual End Date	Dashboard	Proposed Budget	Variance	Strategic Go
Total	Cour 4										
Health	Cour 22										
Stellar Innovate			In Progress	Devon Gomez	25%	01/19/24	02/02/25	Rippin, Hand and Parisian	\$58,000	90.2%	Empower Ou
Fahey Inc		1	In Progress	Alexandra Mattson	25%	01/19/24	06/02/26	Fahey Inc	\$117,985	65.6%	Service De
Jaskolski-Walter	<b>A</b>	1	In Progress	June Taylor	25%	05/25/24	12/10/24	Jaskolski-Walter	\$65,000	97.1%	Strategic C
Magra Calling and Cannally			To Decrease	Henry McNool	250/	06/04/04	04/05/05	Moore, Collins and	4133 AEE	10.00/	Operation



STRATEGIC ALIGNMENT

PRIORITIZATION & EXECUTION

ACTIONABLE INSIGHTS

In the City of Smartopia, our mission is to inspire collective growth and innovation by fostering increased civic engagement, creating a safer community with better emergency outcomes, having small businesses that thrive, and reducing our carbon emissions for a healthlier environment.

Our annual corporate OKRs set the priorities for the coming year and provide guidance as to what elements of our strategies we will focus on and invest in within the next fiscal year.

- Civic Engagement: Community empowerment to participate in local government Responsive Safety: Emergency outcomes are improved for a safer community
- · Entrepreneurial Growth: Small businesses can thrive and our local economy can grow
- Sustainability: Our environmental impact is lower, creating a healthier environment for our children's future
- · Accessible Public Transit: Residents have safer, on-time access to clean public transportation

Our OKRs are designed to be ambitious goals that we are able to track and report on, and that we believe are achievable for the year. Each OKR is measured by a set of **Key Results** (KRs), and are detailed below.

This OKR Results dashboard is intended to provide information and other resources to City of Smartopia employees and is for INTERNAL purposes only.

#### **Objective 1: Civic Engagement**

The community is empowered to participate in local government

Sponsor	Owner
Everett Crosse	Kelly Smart

Quarter Target End Q Actuals YTD

50%

KR	Quarterly Health	Owner	Current Quarter Target	End Q Actuals	YTD	Progress Against Quarterly Target	Progress Against Annual Target	Comments/Path to Green	Data a
100% participation in DE&I harassment training	•	Kelly Smart	100%	100%	100%	100%		Use this space to provide Comments on your KRs, these could include lessons I learned, a path to green or an overall breakdown of the tasks completed during the Quarter.	12/2
100% participation in DE&I emotional intelligence training		Kelly Smart	100%	98%	98%	98%		This space should provide useful insights g on why the KR is performing the way it	12/2

## Strategic alignment

Objective 4: Sustainability

The environment is protected and our children will be raised in a healthier climate

Sponsor	Owner
Dominick Goorgo	Vora Rowers

Owner

Devon Gomez

KR	Quarterly Health	Owner	Current Quarter Target	End Q Actuals	YTD	Progress Against Quarterly Target	Progress Against Annual Target	Comments/Path to Green	Data a
Keep the MoM revenue growth above 19%	•	Vera Bowers	19%	19%	0.19	100%		Use this space to provide Comments on your KRs, these could include lessons learned, a path to green or an overall breakdown of the tasks completed during the Quarter.	12/2
100% annual customer renewal rate	*	Vera Bowers	50%	48%	48%	96%		This space should provide useful insights on why the KR is performing the way it does.	12/2

Ohiostivo	E. Accou	ocible Du	blic Transit

Implement AI-powered automation to streamline operational processes Achieve 20% increase in AI-driven

revenue generation

Residents have improved, on-time access to public transportation

Everett

		Diaco i olgason	
gainst	Progress Against Annual Target	Comments/Path to Green	Data &
		Use this space to provide Comments on your KRs, these could include lessons learned, a path to green or an overall breakdown of the tasks completed during the Quarter.	12/2
		This space should provide useful insights on why the KR is performing the way it	12/2

Bruce Ferguson

smartsheet ENGAGE

### Impacts of effective

# strategic planning

#### **Solutions**



#### **▶** Platform Capabilities

- \* Approval & governance
- \* Real-time KPI tracking
- \* Standardized portfolio reporting

#### ▶ Impact

Optimize Use of Public Funds



Collaborate productively across the organization

- \* Data integration
- \* Knowledge sharing
- \* Open digital workspaces

Enhance Cost Efficiency



Engage employees with participation and ownership

- \* Task automation
- \* Expert-led no code solutions
- \* Al enabled workers

Enhance Employee Engagement and Satisfaction





Management outcomes



Spot risks earlier



Get accurate, real-time status



Simplify how employees contribute to project success



## **PPM Maturity Assessment**

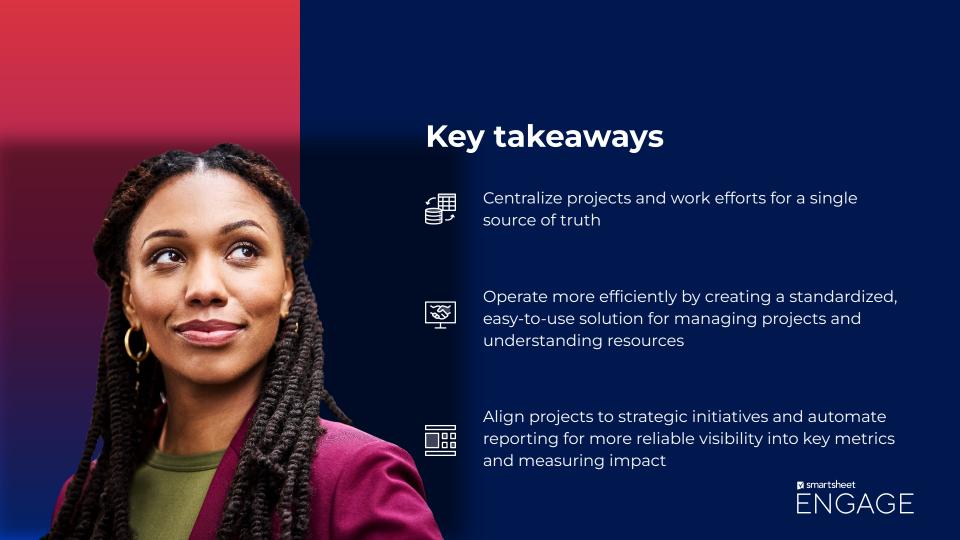
Why do we assess your project and portfolio management maturity?



## Assessing PPM maturity using a rigorous, tested model will help uncover:

- The organization's current state of readiness for operating an efficient project management office (PMO) - or even just managing multiple projects, programs, and portfolios across different team
- The gaps that stop your organization from achieving maximum efficiency
- The ideal future state of where they want to be in the PPM maturity curve
- What you need to do to get to the desired level of maturity





Q&A



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# Next steps...

#### Industry Solutions & Smartsheet Gov Booths

Learn more about Smartsheet Gov and talk to experts about other government solutions.

Tuesday + Wednesday

#### **Industry Mixers**

Network with fellow attendees in government at the Welcome Reception.

Tuesday | 5:00pm-6:30pm

#### **Industry Meet & Eat**

Connect and share learnings with government peers over lunch.

Wednesday | 11:45am-12:45pm

#### Take the survey

We'd love to hear your thoughts on the session.

Open this session in the mobile app, click "Survey," and answer two questions — it's that easy!

Thank you.

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