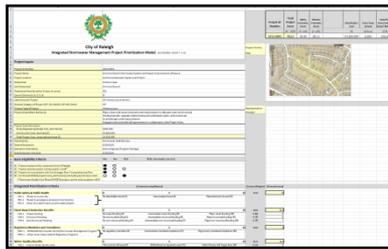




# Update on Integrated Stormwater Project Prioritization Model Development

Stormwater Management Advisory Commission

July 9, 2015





Pairwise Rating Example - Comparing Vegetables

	Green Beans	Broccoli	Brussel Sprouts	Carrots	Asparagus	Spinach	Corn	Sum	Weight %
Green Beans		2	3	2	3	2	4	16	12.7
Broccoli	4		3	4	3	2	5	21	16.7
Brussel Sprouts	3	3		4	3	2	1	16	12.7
Carrots	4	2	2		2	2	3	15	11.9
Asparagus	3	3	3	4		3	2	18	14.3
Spinach	4	4	4	4	3		5	24	19.0
Corn	2	1	5	3	4	1		16	12.7
								126	100.0

Scoring	
5	Much more important
4	Somewhat more important
3	Equally important
2	Somewhat less important
1	Much less important



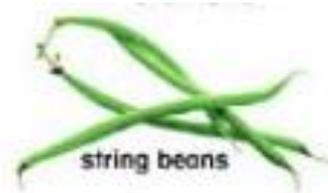
19.0%



16.7%



14.3%



12.7%



11.9%

# Outline

- Reminder of Program Commitment to Council and Key Outcomes
- Highlights of collaborative Model Development Work of SMAC Sub-Committee + Staff Team
- The preliminary working Model with real world examples
- SMAC Feedback & Discussion



# Commitment to City Council

## Key Policy Themes

- Should the City's Stormwater Program become more proactive? If so, in what ways?
- To what extent should stormwater systems be treated as public systems?
- How much public benefit is sufficient to merit City participation in a stormwater improvement project?
- To what extent should the City invest in stormwater services?

## Action Plan

- **Work with SMAC to develop specific program enhancement recommendations for Council consideration within 12 – 18 months**
- **Develop Integrated Project Prioritization Model ahead of FY 17 budget as first phase**
- Provide budgetary and resource information in concert with above

# Key Outcomes

- **The Integrated Stormwater Project Prioritization Model**
- **Scoring Guidance/Metrics for Weighted Criteria** within model
- **Process for implementing, applying, and adaptively updating** the model

# Highlights of SMAC Sub-Committee + Staff Collaboration

- **Many thanks** to the SMAC Sub-Committee and Staff Team
  - **Three, two-hour work sessions**
    - May 26, June 3, and June 18
- Time outside of scheduled work sessions in preparing for meetings and **completing exercises to help evaluate and rank prioritization model criteria**
- Welcomed and provided **time for public input during meetings**
- **Request for written public input** was also extended

# Highlights of SMAC Sub-Committee + Staff Collaboration

- **Foundational elements** of prioritization model

- Basic eligibility criteria
  - Yes or No
- **Integrated prioritization criteria**
  - Weighted
  - Scored
- Total project score
- Safety criticality score
- Mission criticality score
- Project cost information
  - Cost/area and other cost/unit information



- *Public Safety & Public Health*
- *Flood Hazard Reduction Benefits*
- *Regulatory Mandates & Compliance*
- *Water Quality Benefits*
- *Watershed Management Benefits*
- *Stormwater Infrastructure Asset Management Benefits*
- *Community Support & Implementation Complexity*
- *Resource Leveraging Opportunities*
- *Indirect Community Benefits*

# Highlights of SMAC Sub-Committee + Staff Collaboration

- Evaluation and ranking of integrated prioritization model criteria

Summary Results for SMAC Sub-Committee + Staff Team (9x9 option)							
	Avg Wt %	Avg Rank	Cumul. %	Wt % High	Wt % Low	Rank High	Rank Low
Public Safety & Public Health	17.037	1	17.037	18.1	16.2	1	1
Flood Hazard Reduction Benefits	13.611	2	30.648	16.7	8.8	1	8
Regulatory Mandates & Compliance	12.870	3	43.519	16.2	10.2	2	5
Water Quality Benefits	11.296	4	54.815	13.9	9.3	3	7
Watershed Management Benefits	10.185	5	65.000	11.6	9.3	4	6
Stormwater Infrastructure Asset Management Benefits	9.954	6	74.954	11.1	7.4	4	8
Community Support & Implementation Complexity	9.306	7	84.259	12.5	6.9	4	8
Resource Leveraging Opportunities	8.565	8	92.824	11.1	6.9	3	8
Indirect Community Benefits	7.176	9	100.000	11.1	5.1	4	9
	100.000						



# The Preliminary Working Model

Project	Type	Total Project Score	Safety Criticality Score	Mission Criticality Score	Total Project Cost (\$ est.)	Cost/Area (\$/AC)	Cost/"Benefit" (\$/PT)
Pigeon House Restoration	CIP - Multi	79.84	70	78.81	\$12,000,000	4,488	150,301
Lower Longview Lake Dam	CIP - Multi	70.31	100	84.52	\$3,350,000	4,786	47,646
Northshore Lake Restoration	CIP - Multi	64.94	90	78.72	\$4,575,000	12,500	70,450
Citywide LID-GI Study	Planning/Study	49.85	0	42.16	\$568,000	6	11,394
Yorkshire Downs	CIP Infra	42.83	50	41.46	\$3,700,000	24,667	86,378
E Martin/Camden Rehab	CIP Infra	42.00	70	36.44	\$200,000	6,667	4,762
Simmons Branch Ph 2	CIP Infra	40.46	50	38.12	\$4,300,000	6,595	106,287
East and Boundary Drainage	CIP Infra	37.69	70	31.38	\$125,000	4,310	3,316
Temple Dr Drainage	DA	30.29	50	27.92	\$177,000	4,425	5,843
4125 Windsor Place	DA	29.30	70	28.56	\$66,300		2,263
Typical DA Stream Proj	DA	17.83	10	14.38			
Lower Longview Lake Dredging	CIP - WQ	8.64	0	7.72	\$1,700,000	2,429	196,835

# Schedule/Milestones

✓	City Council	Jan – Mar 2015	Stormwater Program/Budget Workshops with City Council
✓	Staff Team	Mar – April	Staff Initial Planning Work/Internal Kickoff
✓	SMAC	May 7	SMAC - Kickoff
✓	SMAC + Staff	May 26, 3 – 5 PM	SMAC Sub-Committee Workshop #1
✓	SMAC + Staff	June 3, 3 – 5 PM	SMAC Sub-Committee Workshop #2
✓	SMAC + Staff	June 18, 3 – 5 PM	SMAC Sub-Committee Workshop #3
	SMAC	<b>July 9</b>	<b>SMAC – Update &amp; Review Preliminary Model</b>
	SMAC + Staff	July - Aug	(Potential Sub-Committee Workshop #4, #5 if/as needed)
	SMAC	Sept 3	Final Initial Model/Approach to SMAC
	City Council	Oct - Nov	To Council for information
	Staff Apply Model with SMAC	Oct – Dec 2015	Ready for initial use for FY 2017 Budget Season



# SMAC Feedback & Discussion