

# PROPOSED MEASURES FOR 2050 WATER POLICY



## Regional Goals

This document contains a series of tables that show the connection between our proposed measures (regional indicators, regional measures, and Met Council measures) and the regional goals and water policies in the Imagine 2050 Regional Development Guide. For ease of reference, the regional goals are described below and will match the corresponding goal number in the tables.

1. Our region is equitable and inclusive
2. Our communities are healthy and safe
3. Our region is dynamic and resilient
4. We lead on addressing climate change
5. We protect and restore natural systems

## Regional indicators

These measures describe high-level trends about the Twin Cities metro or region. Regional indicators can provide context on whether – and to what extent – our region’s trends are similar to other places and offer a sense of scale and persistence. These measures reflect the impacts of intersecting “macro” systems and require collective and sustained action to counter or advance. For that reason, it may be difficult to understand what drives change in regional indicator trends without additional analysis or data.

2050 Regional Goal					
Regional indicator description	1	2	3	4	5
How much salt was applied per inches of precipitation in the metro per winter				X	X
The number of delisted impairments for Priority Waters. Includes percent of total impairments (and/or length of time on the list). Updated every other year when MPCA publishes the impaired waters list)		X			X

Total water use per person per day			X	X	
Residential water use for residential per person per day			X	X	
Outdoor water use trends - the goal would be to see a declining trend in the amount of water used outdoors			X	X	
Licensed wastewater and water utility operators in each region		X	X	X	
Annual enrollment data for operators being trained at each of the technical colleges and/or apprenticeship programs in the state	X	X	X		

### Regional measures

These measures describe how Met Council's local partners advance Imagine 2050 goals, objectives, and policies. They may capture work among local governments, regional parks implementing agencies, community organizations, or other organizations or agencies within the region. Regional measures acknowledge that the regional values, visions, and goals described in Imagine 2050 cannot be achieved alone. These measures are often derived from primary data collection efforts led by Met Council, through surveys, plan reviews, and other research methods. The development of these data, as well as their finding, further our understanding of systems change within the region.

2050 Regional Goal					
Regional measure description	1	2	3	4	5
Engagement with Council monitoring programs: - Number of organizations and volunteers for Community Assisted Monitoring Program (CAMP)	X				X
Engagement with Council monitoring programs: - Number of organizations and cooperators for Watershed Outlet Monitoring Program (WOMP)	X				X
Percent of Priority Waters monitored by ES (including CAMP and WOMP) within a cycle for water quality		X			X
Percent of Priority Waters monitored by any organization. Updated through email contact to LGUs every third year		X			X
Dollars spent on inflow and infiltration (I&I) municipal program by communities		X	X	X	
Amount of match from participating municipalities in Water Efficiency grant program			X	X	X

## Met Council measures

As a large organization with a diverse portfolio of work and roles within the region, Met Council measures highlight how our own grant, investment programs, services and operations, engagement practices, convening and coordinating of partners – among other actions – advance the regional goals and policy direction established in Imagine 2050. Incorporating Met Council measures in the Imagine 2050 Outcomes Measurement Program not only facilitates internal alignment and a clearer communication of our role, they also demonstrate how the Met Council leads by example.

2050 Regional Goals					
Met Council measure description	1	2	3	4	5
Inventory of greenhouse gas emissions related to the Met Council's operations. Goal to reduce emissions to reflect best practices, including direct and indirect with the overall goal of yearly emissions reduction				X	
Percent acres of native plantings increase at ES managed properties					X
Number of engagements (annually)	X	X			
Number of contact points (annually)	X	X			
Coverage of the region engaged (annually)	X	X			
Wastewater service cost per household compared to national rates (or a rate that doesn't exceed the inflation rate)		X	X		
Percent of reclaimed water used for our wastewater operations (pump cleaning, cooling, flushing, etc.) out of total water used				X	X
Total dollars spent on inflow and infiltration (I&I) grant programs (both municipal and private property programs, both by Met Council and communities)			X	X	
The number of property units repaired/rehabilitation with private property grant program funds and location			X		
Percent or dollar value put towards equity-based grants for I&I -where equity grants were given	X		X		
Capital Program - Percentage of dollars spent on O&M vs system expansion vs regulatory vs rehabilitation for plants		X	X		

Capital Program - Percentage of dollars spent on O&M vs system expansion vs regulatory vs rehabilitation for interceptors		X	X		
Percent of interceptor system inspected per year		X	X		
Percent of interceptor system at each condition status		X	X		
Percentage of interceptor system that has been rehabilitated		X	X		
Energy cost and purchased energy amount			X	X	
Percentage of energy that is recovered or renewable across the regional wastewater system			X	X	
Percent compliance with National Pollution Discharge Elimination Systems (NPDES) permits		X		X	
Number of priority waters assessed for status or trends (e.g. lake grades, stream trends, etc.)		X		X	
Volume of salt we apply on ES sites per winter. (Normalized with inches of precipitation)			X	X	
Number and percent of Municipalities served by a municipal community public water supply system receiving funds through Water Efficiency grant program			X	X	X
Number of households served by Water Efficiency grant program			X	X	X
Estimated water saved by Water Efficiency grant program			X	X	X
Percent of funds put towards equity-based grants - location grants were given for Water Efficiency grant program	X		X	X	X
Total amount of drought tolerant, low mow seed mixture sales through UofM Turfgrass Partnership (sales haven't begun yet)			X	X	
Grant Program Outputs (UofM Turfgrass Partnership) - Attendance at annual 25 events and number of visits to websites providing guidance			X	X	
Number of lawn leaders trained through UofM Turfgrass Partnership connecting with neighbors			X	X	
Grant Program Outputs (MNTAP partnership) - volumes of water saved from intern projects.			X	X	
The number of engagements we have with community organizations that work with job seekers in our targeted demographics	X				
Every year ES sees positive movement towards reflecting the diversity of the communities we serve (demographically)	X				

## Water Policies

The following series of tables contain the same measures as above but show the connection between our proposed measures (regional indicators, regional measures, and Met Council measures) and water policies in the Imagine 2050 Regional Development Guide. For ease of reference, the water policy areas are briefly described below and will match the corresponding policy number in the tables.

1. Integrated water
2. Growth and development
3. Water equity
4. Climate change
5. Conservation and sustainability
6. Water reuse
7. Pollution prevention and contaminate management
8. Monitoring, data, assessment
9. Wastewater service area
10. Wastewater operations and finance
11. Inflow and infiltration
12. Water workforce development

## Regional indicators

These measures describe high-level trends about the Twin Cities metro or region. Regional indicators can provide context on whether – and to what extent – our region's trends are similar to other places and offer a sense of scale and persistence. These measures reflect the impacts of intersecting “macro” systems and require collective and sustained action to counter or advance. For that reason, it may be difficult to understand what drives change in regional indicator trends without additional analysis or data.

2050 Water Policies												
Regional indicator description	1	2	3	4	5	6	7	8	9	10	11	12
How much salt was applied per inches of precipitation in the metro per winter	X						X					

The number of delisted impairments for Priority Waters. Includes percent of total impairments (and/or length of time on the list). Updated every other year when MPCA publishes the impaired waters list	X							X					
Total water use per person per day	X	X			X								
Residential water use for residential per person per day	X	X			X								
Outdoor water use trends - the goal would be to see a declining trend in the amount of water used outdoors	X	X			X								
Licensed wastewater and water utility operators in each region			X										X
Annual enrollment data for operators being trained at each of the technical colleges and/or apprenticeship programs in the state (state data because many of them end-up moving to the metro region after they obtain their license)			X										X

## Regional measures

These measures describe how Met Council's local partners advance Imagine 2050 goals, objectives, and policies. They may capture work among local governments, regional parks implementing agencies, community organizations, or other organizations or agencies within the region. Regional measures acknowledge that the regional values, visions, and goals described in Imagine 2050 cannot be achieved alone. These measures are often derived from primary data collection efforts led by Met Council, through surveys, plan reviews, and other research methods. The development of these data, as well as their finding, further our understanding of systems change within the region.

2050 Water Policies												
Regional measure description	1	2	3	4	5	6	7	8	9	10	11	12
Engagement with Council monitoring programs: Number of organizations and volunteers for Community Assisted Monitoring Program (CAMP)	X							X				
Engagement with Council monitoring programs: Number of organizations and cooperators for Watershed Outlet Monitoring Program (WOMP)	X							X				

Percent of Priority Waters monitored by ES (including CAMP and WOMP) within a cycle for water quality	X							X				
Percent of Priority Waters monitored by any organization. Updated through email contact to LGUs every third year	X							X				
Dollars spent on inflow and infiltration (I&I) municipal program by communities	X			X						X	X	
Amount of match from participating municipalities in Water Efficiency grant program	X			X	X							

### Met Council measures

As a large organization with a diverse portfolio of work and roles within the region, Met Council measures highlight how our own grant, investment programs, services and operations, engagement practices, convening and coordinating of partners – among other actions – advance the regional goals and policy direction established in Imagine 2050. Incorporating Met Council measures in the Imagine 2050 Outcomes Measurement Program not only facilitates internal alignment and a clearer communication of our role, they also demonstrate how the Met Council leads by example.

2050 Water Policies												
Met Council measure description	1	2	3	4	5	6	7	8	9	10	11	12
Inventory of greenhouse gas emissions related to the Met Council's operations. Goal to reduce emissions to reflect best practices, including direct and indirect with the overall goal of yearly emissions reduction				X						X		
Percent acres of native plantings increase at ES managed properties	X			X						X		
Number of engagements (annually)	X		X		X		X		X			X
Number of contact points (annually)	X		X		X		X		X			X
Coverage of the region engaged (annually)	X		X		X		X		X			X
Wastewater service cost per household compared to national rates (or a rate that doesn't exceed the inflation rate)		X							X	X		
Percent of reclaimed water used for our wastewater operations (pump cleaning, cooling, flushing, etc.) out of total water used	X	X			X	X						

Total dollars spent on inflow and infiltration (I&I) grant programs (both municipal and private property programs, both by Met Council and communities)			X							X	
The number of property units repaired/rehabbed with private property grant program funds and location.			X							X	
Percent or dollar value put towards equity-based grants for I&I -where equity grants were given			X							X	
Capital Program - Percentage of dollars spent on O&M vs system expansion vs regulatory vs rehabilitation for plants									X		
Capital Program - Percentage of dollars spent on O&M vs system expansion vs regulatory vs rehabilitation for interceptors									X		
Percent of interceptor system inspected per year									X	X	
Percent of interceptor system at each condition status									X	X	
Percentage of interceptor system that has been rehabilitated									X	X	
Energy cost and purchased energy amount				X					X		
Percentage of energy that is recovered or renewable across the regional wastewater system				X					X		
Percent compliance with National Pollution Discharge Elimination Systems (NPDES) permits	X						X		X		
Number of priority waters assessed for status or trends (e.g. lake grades, stream trends, etc.)	X			X				X			
Volume of salt we apply on ES sites per winter. (Normalized with inches of precipitation)	X			X			X				
Number and percent of municipalities served by a municipal community public water supply system receiving funds through Water Efficiency grant program	X	X			X						
Number of households served by Water Efficiency grant program	X	X			X						
Estimated water saved by Water Efficiency grant program	X	X			X						



Percent of funds put towards equity-based grants - location grants were given for Water Efficiency grant program		X	X		X								
Total amount of drought tolerant, low mow seed mixture sales through UofM Turfgrass Partnership (sales haven't begun yet)	X	X			X								
Grant Program Outputs (UofM Turfgrass Partnership) - Attendance at annual 25 events and number of visits to websites providing guidance	X	X			X								
Number of lawn leaders trained through UofM Turfgrass Partnership connecting with neighbors	X	X			X								
Grant Program Outputs (MNTAP partnership) - volumes of water saved from intern projects	X	X			X								
The number of engagements we have with community organizations that work with job seekers in our targeted demographics	X		X										X
Every year ES sees positive movement towards reflecting the diversity of the communities we serve (demographically)			X										X

## 2050 Water Policy Plan

To view the full plan, including policies and actions, visit <https://imagine2050.metrocouncil.org/read-the-plans/water/>.