

AUSTIN'S CCCN MEASUREMENT FRAMEWORK					
CATEGORY	PROPOSED INDICATOR FOR CHILDREN 0 -18	PROPOSED LOCAL DATA SOURCE	NOTE EXISTING LOCAL DATA SOURCE	POSSIBLE TO DISAGGREGATE BY RACE, ETHNICITY, INCOME	POSSIBLE TO DISAGGREGATE BY ADDRESS, ZIP, NEIGHBORHOOD
BASIC MEASURES					
Education	In-School time in Nature	School or district database	AISD, not yet available	yes	yes
	Ready Access to natural features in 1)schoolyard, and/or 2) adjacent green space		Yes	no	Yes
Youth Development	Out-of-school time in nature	Local out-of-school time (OST) database	Yes, Learn all the Time	yes	yes
	Participation in Nature-based programming	City P&R + Community partner records; possible item in OST database	yes, program survey	yes	yes
Stewardship	Participation in stewardship activities	City P&R + Community partner records; possibly, OST database	yes +APF	no	no
	Affiliation with stewardship entity	Community/Stewardship partner records	yes	no	no
Policy/Systems	Policy changes / added or revised plan elements	Highlighted items in statues or plans	yes	no	yes
	Budget change or new allocation	City or Departmental budget	yes	no	yes
	New Facility/enhancement	Facilities / capital plan and evidence of completion	yes	yes	yes
ADVANCED MEASURES					
Health	Physical: BMI, asthma incidence		Children's Optimal Health	unsure	yes
	Mental: ADHD incidence, Drug	? Unlikely			
Child / Youth Development	Time in nature during early childhood care or Pre-K	?	Cari Browning		
	Self-efficacy	? Unlikely			

	Sense of Belonging/Identity in nature group	? Unlikely			
Family Engagement / Unstructured Play	Non-formally organized time in nature with family	? Unlikely			
Education	Behavioral: absence rates, suspensions	School District			
	Academic: grade completion rates, achievement scores, cognitive development	School District			
	Social-emotional learning	? Unlikely			
Stewardship	Follow-through on stated interest in green activism or Attitudes / affinity toward	? Unlikely			
Safety	perceptions of safety	?	citizen survey	yes, optional question	yes, optional question
	crime rates in parks	Police Data	yes	yes	yes, optional question
GREEN INFRASTRUCTURE MEASURES					
Green Infrastructure	Park Acreage	COA GIS Data			yes
	NRPA Park Status	COA GIS Data			yes
	Tree Canopy Coverage within	COA GIS Data			yes
	TPL Land Use	COA GIS Data			yes
Bio-infrastructure	COA tree canopy coverage	COA GIS Data			yes
	Critical Environmental Features	COA watershed protection			yes
	Green Space Prairies	COA GIS Data			
POTENTIAL FOR KIDS TO ENGAGE WITH NATURE (P-KEN INDEX)					
SPACE TYPE	SUB-INDICATOR	TOOL	DATA SOURCE	WHO ADMINISTERS	SCORE

				Center directors/lead teacher (or through local college), at individual centers. -Baseline and thereafter - annually or at licensing renewal		
Child Care Center (licensed facilities)	Quality of outdoor Learning Environment	POEMS Domains 1&3 Physical Environment; Play and Learning Settings	Local Licensing Agency (state/county), supplies list of childcare centers within city boundaries.		Percent translated into sub-index	
School						
Elementary	quality of the outdoor Learning Environment		City/county school systems	designated teacher / volunteer parent /college faculty-student team	percent translated into sub-index	
Middle	Quality of the outdoor Learning Environment		City/county school systems	designated teacher / student team	percent translated into sub-index	
High	Quality of the outdoor Learning Environment		City/county school systems	designated teacher / student team	percent translated into sub-index	
Neighborhood						
	Proximity of child population to green space	GIS Measure: Percent of housing units within each census tract proximate to green space within 1/4 mile network buffer. Moderated by proportions of population <18 years and biodiversity of green space	City GIS and U.S. Census data. Bio-census?	City planning, community development, parks or other designated municipal department	percent translated into sub-index	

	Pedestrian access to green space	GIS measure: percent of street network meeting pedestrian quality (sidewalk, street trees, setback, parking strip present)	City GIS data	City planning, community development, parks or other designated municipal department	percent translated into sub-index	
	Cyclist access to green space	GIS measure: Percent of street network meeting cyclist quality (bike lane, bike-friendly attributes, street trees, setback, parking strip present)	City GIS data	City planning, community development, parks or other designated municipal department	percent translated into sub-index	
	Equity	GIS Measure: Percent of housing units within each census tract below specified SES datum	City GIS data and U.S. Census Data	City planning, community development, parks or other designated municipal department	percent translated into sub-index	

