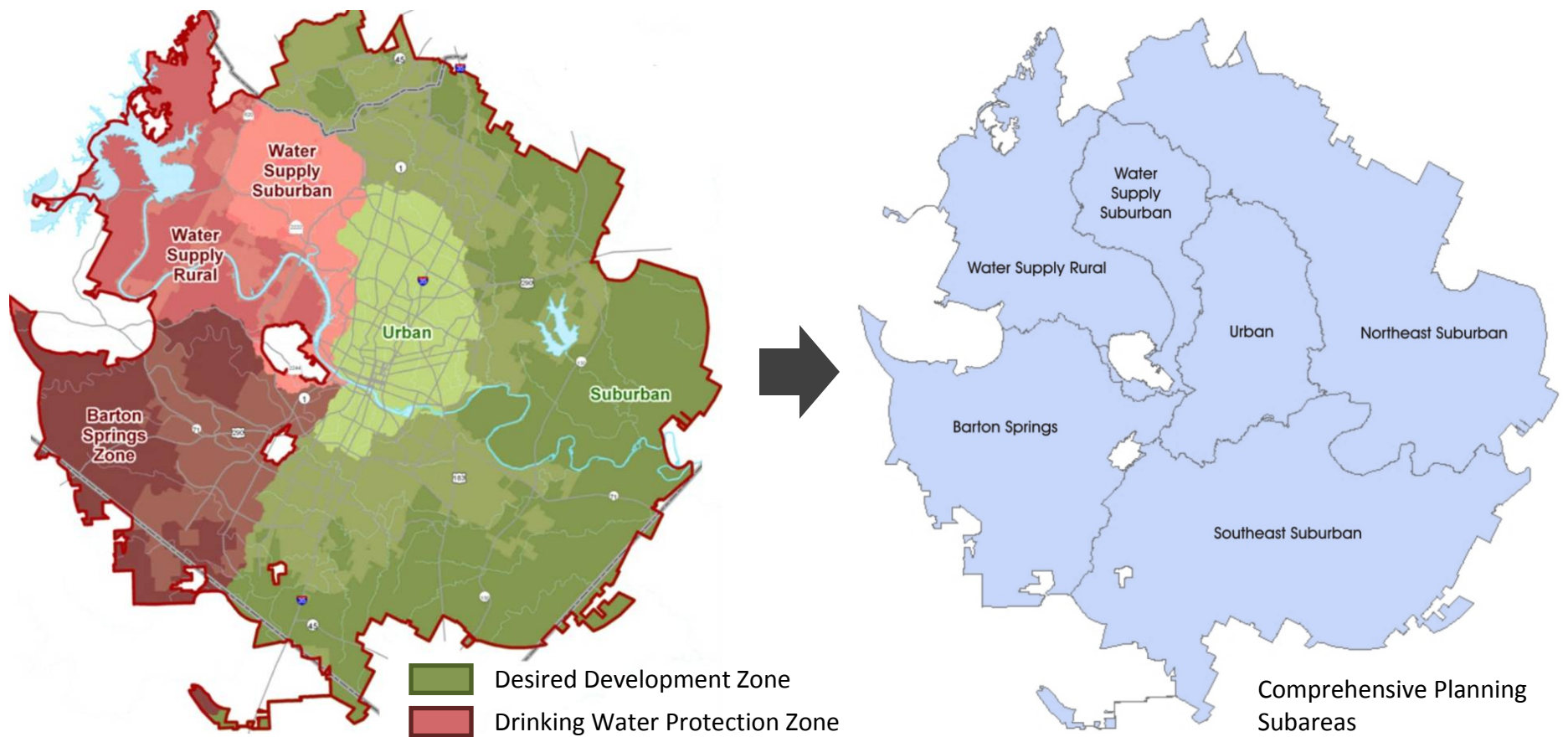


INDEX in Imagine Austin

- Existing Conditions Indicators
- Scenario Comparison/Alternative Futures Working Paper
- Used in conjunction with other tools throughout the process, mainly ArcGIS

INDEX Analysis Sub-areas



INDEX Workflow for Imagine Austin

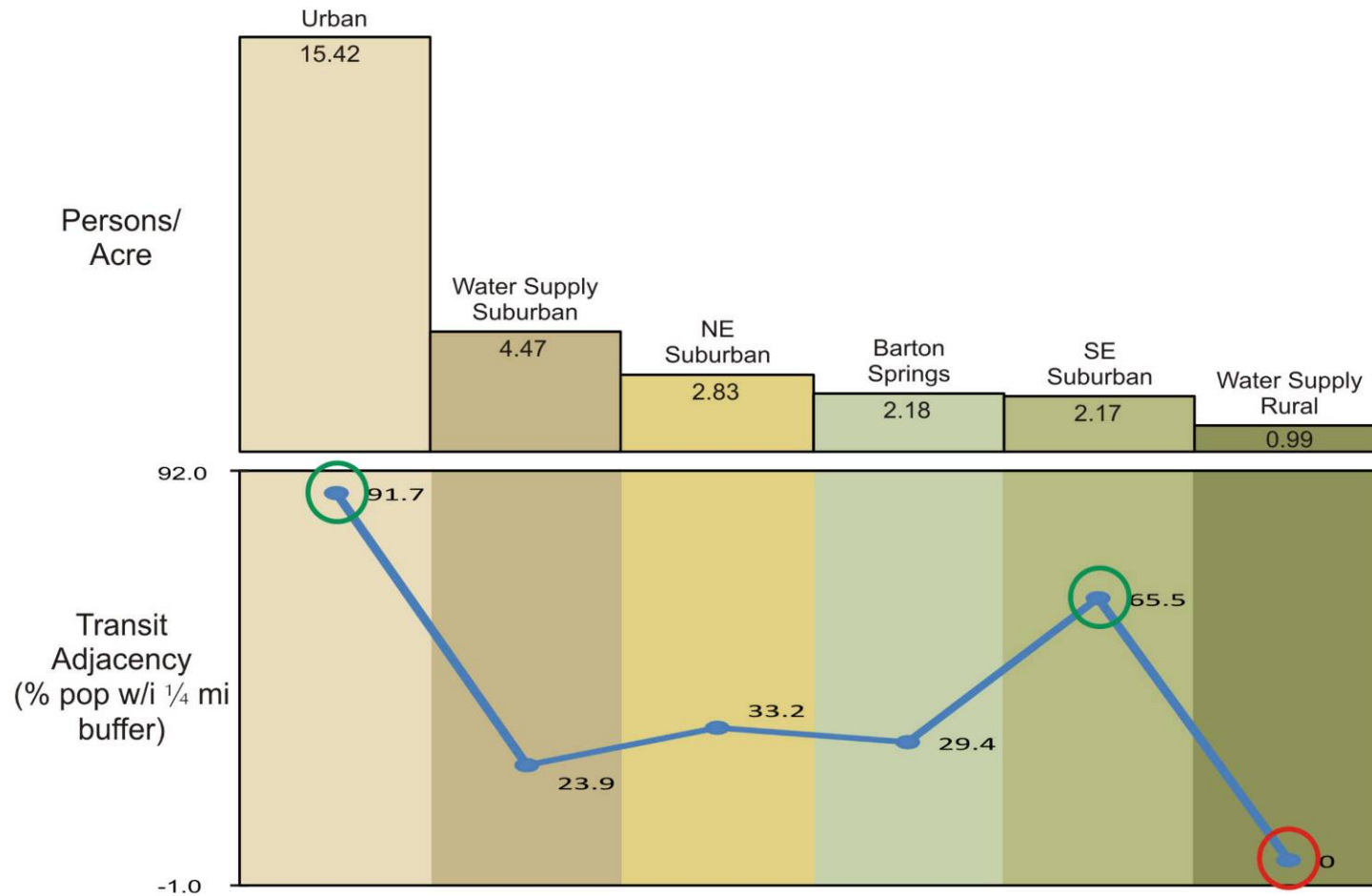
- Subareas for reporting indicator scores
- Selecting indicators relevant to plan themes
- City prepared/updated GIS Data for Existing Conditions
- Stakeholders created Scenarios, City/Consultants compiled, processed input (63 maps)
- Criterion processed data
- Interpretation

INDEX Existing Condition Scores

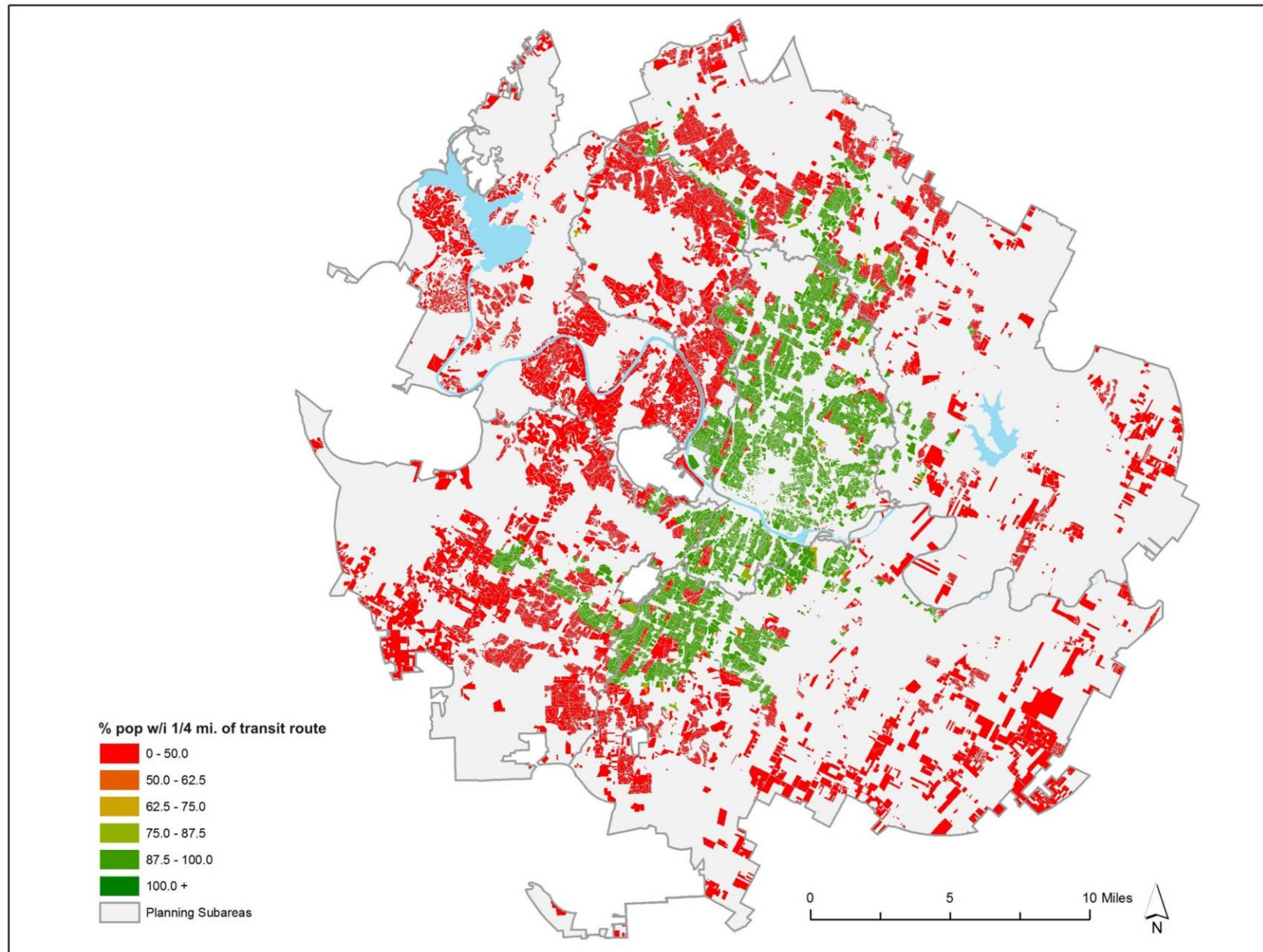
Notable Scores Relative to Themes
Favorable
Weak
Unfavorable

Element	IndicatorName	Units	Urban ►					◀ Rural	
			Urban	Water Supply Suburban	NE Suburban	Barton Springs	SE Suburban	Water Supply Rural	
Demographics	Pop & Emp Density	(res+emp)/gross acre	15.42	4.47	2.83	2.17	2.17	0.99	
	Population	residents	320,712	87,715	211,602	116,336	185,366	41,715	
	Employment	employees	269,594	28,883	94,517	30,033	41,929	8,950	
Land-Use	Subarea Acreage	total acres	38,272.30	26,111.20	108,345.20	67,297.00	104,962.30	50,921.00	
	Use Mix	0-1 scale	0.42	0.23	0.34	0.24	0.29	0.17	
	Use Balance	0-1 scale	0.81	0.61	0.79	0.58	0.72	0.51	
Housing	Dwelling Unit Count	total DU	143,139	37,584	90,280	47,906	76,860	16,281	
	Single-Family Dwelling Density	DU/net acre	5.21	2.5	3.17	1.87	2.13	1.25	
	Multi-Family Dwelling Density	DU/net acre	27.45	11.83	17.89	10.97	17.73	6.74	
	Single-Family Dwelling Share	% total DU	42.2	55.6	53.5	67.8	60.3	84.3	
	Amenities Adjacency	% pop w/i ¼ mi. grocery/school buffer	22.1	7.1	3.4	6	11.4	0	
	Transit Adjacency	% pop w/i ¼ mi. buffer	91.7	23.9	33.2	29.4	65.5	0	
Employment	Jobs to Housing Balance	jobs/DU	1.88	0.77	1.05	0.63	0.55	0.55	
	Employment Density	emps/net acre	44.35	29.05	16.35	13.88	10.87	10.34	
	Commercial Building Density	avg FAR	0.35	0.12	0.05	0.03	0.04	0.04	
	Transit Adjacency to Employment	% emps w/i ¼ mi buffer	94.5	39.5	55	40.7	64.4	0.2	
Recreation	Park Space Supply	acres/1000 persons	6.2	19.4	29.5	31.8	24.4	33.1	
	Park Adjacency to Housing	% pop w/i ¼ mi.	70.8	78.1	74.3	77	61.3	54.9	
Environment	Open Space Share	% total net area	1.7	25.1	1.8	27.3	0.9	46.8	
	Open Space Connectivity	0-1 scale	0.17	0.7	0.41	0.72	0.33	0.76	
	Imperviousness	% of total land area	49.07	33.98	20.62	23.42	17.92	18.65	
	Nox Pollutant Emissions	lbs/yr/capita	27	34	33	41	36	44	
Travel	Intersection Density	intersections/sq mi	101	43.8	23.4	23.8	20.7	16.2	
	Transit Stop Coverage	stops/sq mi	32.8	2.7	1.8	1.3	3.4	0	
	Transit-Oriented Residential Density	DU/net acre w/i ¼ mi of stops	11.06	7.2	10.02	7.22	8.73	0	
	Transit-Oriented Employment Density	emps/net acre w/i ¼ mi of stops	53.53	47.06	24.34	36.91	14.38	0	
	Pedestrian Network Coverage	% of streets w/sidewalks	35.9	34.7	32.2	31.3	30.7	11.4	
	Bicycle Network Coverage	% street centerlines w/ bike route	5.85	4.68	1.26	2.8	2.44	0	
	Home Based VMT Produced	mi/day/capita	7.3	11.9	11.5	13.7	10.4	17.5	
	Non-Home Based VMT	mi/day/emp	12.2	13.1	12.7	16.5	15.9	15.0	
Climate Change	Residential Total CO2 Emissions	lbs/capita/yr (housing & travel)	10,150	12,102	11,844	12,946	11,187	14,549	
	Nonresidential Total CO2 Emissions	lbs/emp/yr (bldgs & travel)	13,399	14,298	12,212	18,745	18,952	20,621	

Transit Adjacency to Housing



Transit Adjacency to Housing



Scenario Scores: Urban Area

Notable Scores
Relative to Themes

Favorable
Weak
Unfavorable

Indicator Name	Units	Existing Conditions (parcels)	Future Alternatives (10-Acre Grid Cells)					
			Distributed	Crescent	Centers	Linear	Trend	Preferred
Pop & Emp Density	(res+emp)/gross acre	15.42	21.02	22.43	23.50	25.16	22.65	26.02
Population	residents	320,712	473,645	516,460	546,554	575,961	509,586	605,129
Employment	employees	269,594	330,975	341,821	352,982	387,065	357,291	390,648
Subarea Acreage	total acres	38,272.30	38,272.30	38,272.30	38,272.30	38,272.30	38,272.30	38,272.30
Population Density	Population/Subarea Acreage	8.38	12.38	13.49	14.28	15.05	13.31	15.81
Employment Density	Employment/Subarea Acreage	7.04	8.65	8.93	9.22	10.11	9.34	10.21
Use Mix	0-1 scale	0.37	0.66	0.60	0.69	0.76	0.69	0.8
Use Balance	0-1 scale	0.81	0.91	0.74	0.84	0.8	0.72	0.67
Amenities Adjacency	% pop w/i ¼ mi. grocery/school buffer	22.1	21.6	20.9	20.3	19.8	21.9	20.4
Transit Adjacency	% pop w/i ¼ mi. buffer	91.7	91.6	91.2	92.0	91.6	91.5	92.3
Transit Adjacency to Employment	% emps w/i ¼ mi buffer	94.5	94.2	94.3	93.8	93.7	93.6	94.4
Park/Schoolyard Adjacency to Housing	% pop w/i ¼ mi.	70.8	52.4	44.7	45.3	45.2	44.8	40.6
Open Space Share	% total net area	1.7	2.3	1.3	1.4	1.6	1.4	2
Open Space Connectivity	0-1 scale	0.36	0.40	0.35	0.36	0.37	0.31	0.4
Intersection Density	intersections/sq mi	101	101	101	101	101	101	101
Transit Service Coverage	stops/sq mi	32.8	33.2	33.2	33.3	33.2	33.0	35
Pedestrian Network Coverage	% of streets w/sidewalks	35.9	35.9	35.9	35.9	35.9	35.9	35.9
Bicycle Network Coverage	% street centerlines w/ bike route	5.85	42.75	42.75	42.75	42.75	42.75	42.74

Potential Future Uses of INDEX

