



WATER SOURCE ADVISORY COUNCIL MEETING #5

November 15, 2022

WELCOME!





INTRODUCTIONS





RULES FOR ENGAGEMENT

- The deliberation process will be collaborative
- Everyone's perspective is valued and respected
- Listen to understand, not to debate
- Be concise
- Be hard on the issues soft on the people
- Avoid right-wrong paradigms





RULES FOR ENGAGEMENT

- Everyone should have an equal opportunity to participate
- Respect start and finish times
- Provide your full attention
- Full participation is critical
- Ask questions don't wait
- Avoid sidebar conversations





THE LEVELS OF CONSENSUS ARE:

- 1. I can say an <u>unqualified 'yes'</u> to the decision. I am satisfied that the decision is an expression of the wisdom of the group.
- 2. I find the decision perfectly acceptable.
- 3. I can live with the decision; I'm not especially enthusiastic about it.
- 4. I do not fully agree with the decision and need to register my view about it. However, I do not choose to block the decision. I am willing to support the decision because I trust the wisdom of the group.
- 5. I do not agree with the decision and feel the need to stand in the way of this decision being accepted.
- 6. I feel that we have no clear sense of direction of unity in the group. We need to do more work before consensus can be reached.

AGENDA





SCHEDULE GOING FORWARD

	осто	OBER	NOVE	MBER	DECE	MBER	JANUARY
	Discuss Criteria	Score Alternatives	Discuss Criteria	Score Alternatives	Discuss Criteria	Score Alternatives	
Governance						✓	
Environmental Stewardship		✓					
Reliability			1	1			
Implementation	✓	✓					
Operations	✓	✓					
Stakeholder Impacts			✓	✓			
Life Cycle Costs					1	✓	
Final Evaluation and Recommendation							✓





SELECTING JANUARY MEETING DATE

Monday, January 16th

Saturday, January 21st









Governance



Life Cycle Cost



Implementation

Environmental Stewardship

116



LOOK TO THE FUTURE





Sustainability

Technology

Economics

Governance

Social/ Demographics





SCORING REFRESHER





RELIABILITY CRITERIA



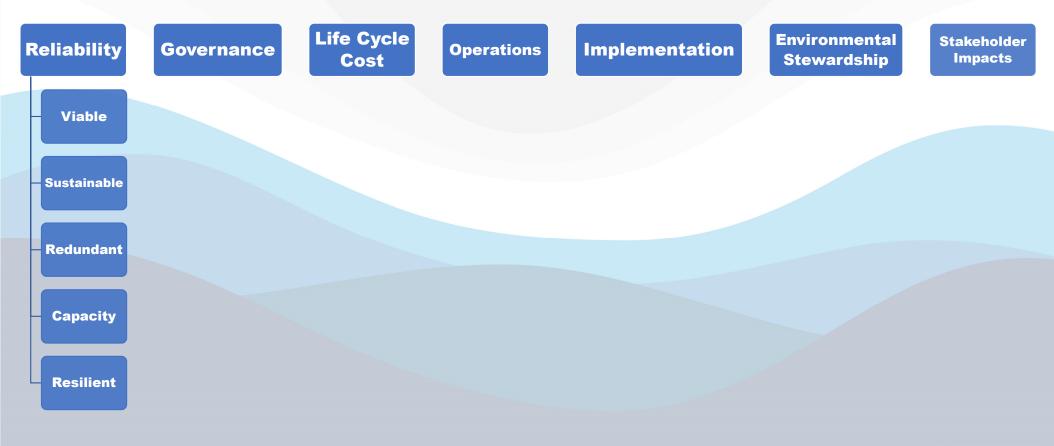


SCORING OF ALTERNATIVES: RELIABILITY CRITERIA





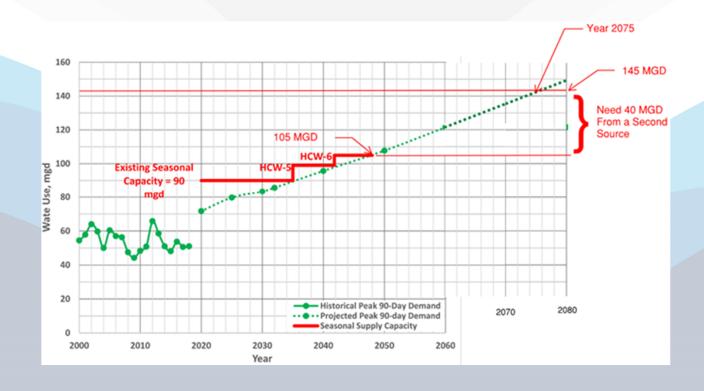
FINAL EVALUATION CRITERIA







RELIABILITY - PROJECTED PEAK 90-DAY DEMAND/YIELD REQUIREMENTS



REDUNDANCY







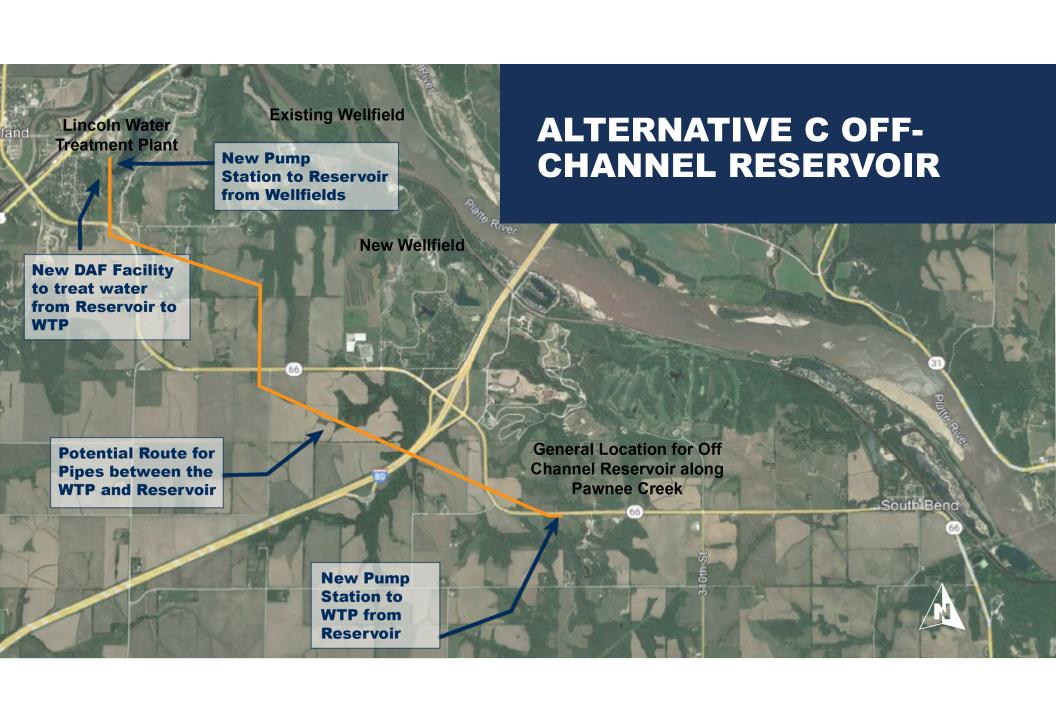


Alternative B - Expand Existing Wellfield

Score (1-5)

Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Additional source pipeline to the treatment plant and several HCWs close to the Platte River. An additional Platte River crossing is needed. Increasing the area of the wellfield allows more river length to be influenced by wellfield pumping. It also increases access to water stored in the aquifer. Expanding the wellfield capacity increases reliance on recharge from the Platte River, especially during droughts. Changing stream flow patterns common in the Platte River especially during low flow conditions can significantly reduce wellfield capacity.	
Sustainable		
Are river flows or aquifer water levels permanently reduced? Do river flow reductions or reduced aquifer levels adversely impact threatened or endangered species?	Some depletion of the Platte River may occur. Platte River does have threatened and endangered species that could be impacted by lower flows.	

SCORING KEY



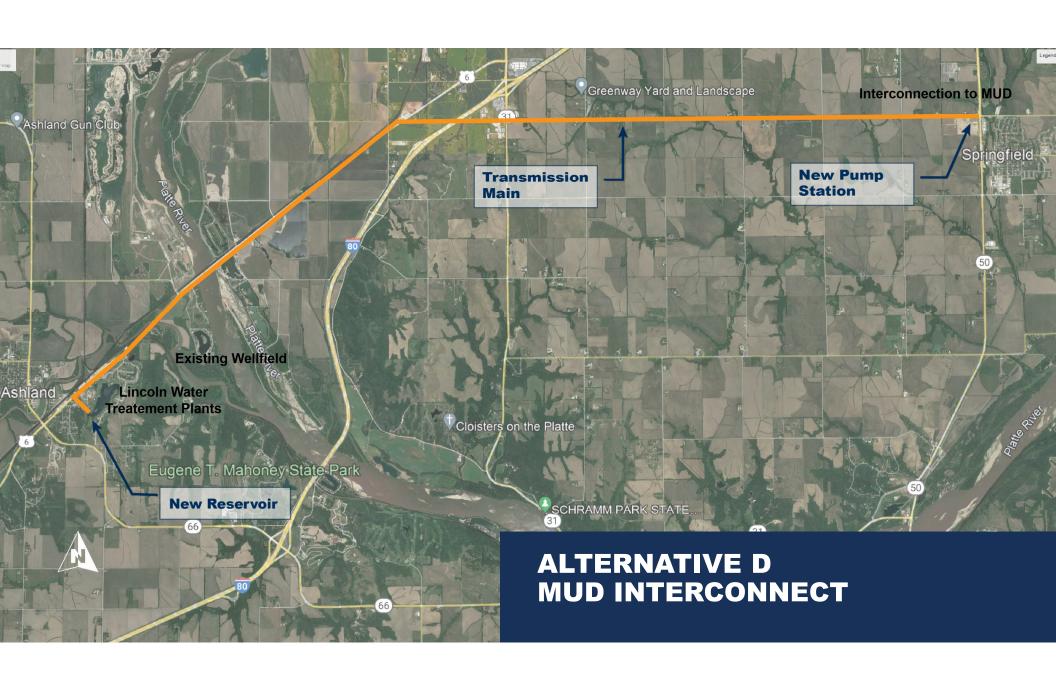


Alternative C - Off-Channel Reservoir

Score	(1-5)	
SCUIE	11-51	

Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Storing water pumped from the wellfield during lower demands provides a short-term source that can be used to supply water during extreme events.	
Sustainable		
Are river flows or aquifer water levels permanently reduced? Do river flow reductions or reduced aquifer levels adversely impact threatened or endangered species?	Some depletion of the Platte River may occur, but it will be during times of higher flow so impacts will be low. Platte River does have threatened and endangered species that could be impacted by lower flows, but impacts are expected to be low. Depletions during low flows would not increase.	
Redundant		
Are new sources independent of the Platte River developed?	Raw water from the reservoir is somewhat redundant. The source of inflow is primarily from the wellfield, which is not independent. However, once it has been pumped to the reservoir and stored it is independent.	

SCORING KEY



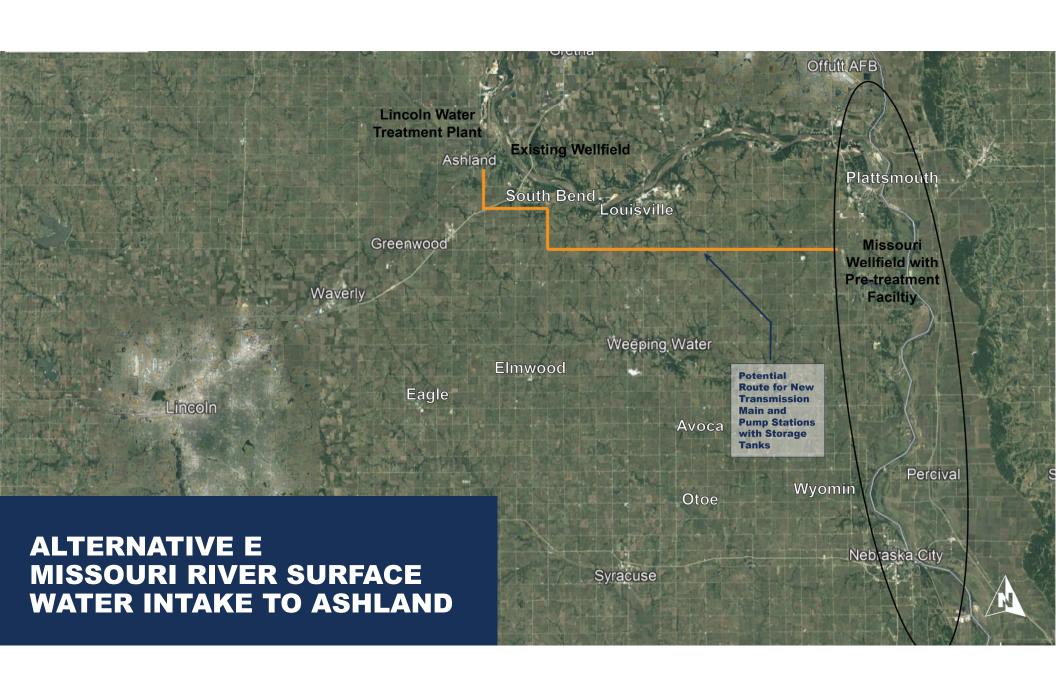


Alternative D - MUD Interconnect

0	/4 E\	
Score	(1-5)	

Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Provides access to the Missouri River. Diversifies raw water supply infrastructure. Long pipeline from MUD's system to Lincoln's. MUD power source.	
Sustainable		
Are river flows or aquifer water levels permanently reduced? Do river flow reductions or reduced aquifer levels adversely impact threatened or endangered species?	Potentially increasing pumpage from the MUDs wellfields could deplete flows from the Platte River. Platte River does have threatened and endangered species that could be impacted by lower flows. Transferring water pumped from MUD could add flows to the Platte River via discharge from the city's wastewater treatment plants.	
Redundant		
Are new sources independent of the Platte River developed?	Terms of the agreement with MUD will define the degree of redundancy. This would be a redundant supply of the agreement includes language requiring an uninteruptable flow of water at all times.	

SCORING KEY



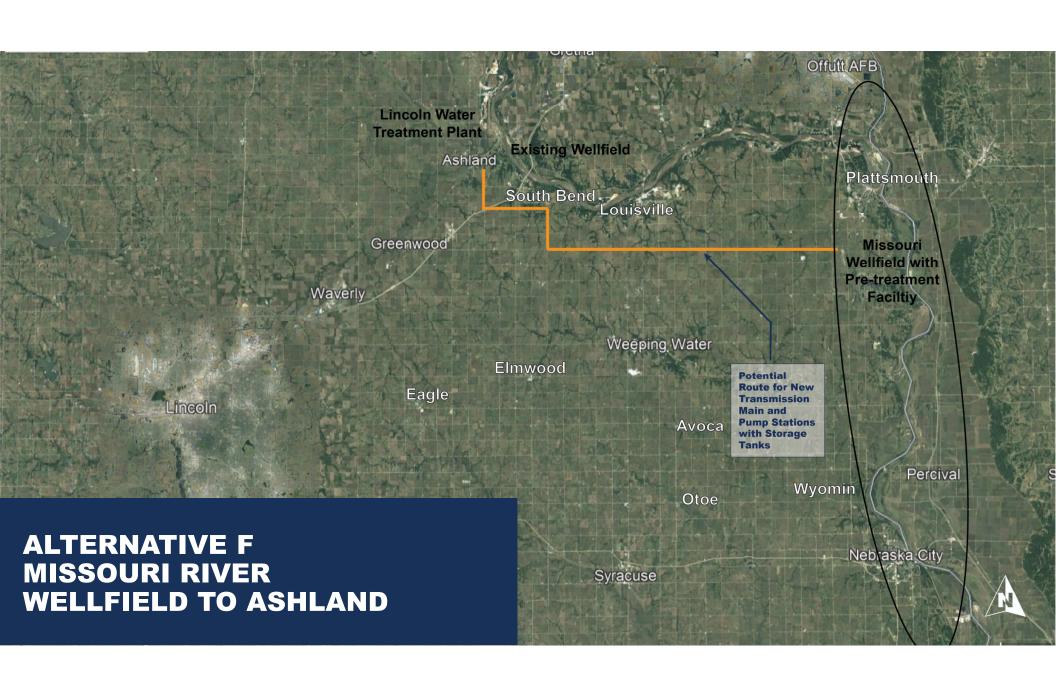


Alternative E - Missouri River Surface Water Intake to Ashland

Score	(1-5)	

Viable	Oversion and Facts	Notes
Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Missouri River is an abundant supply. Long pipelines will be required which may be susceptible to flood damage. Likely a different power source from the existing welffield and treatment plant reducing risk of power outage. Surface water intake may be susceptible to damage from ice flows and riverbed degradation.	
Sustainable		
Are river flows or aquifer water levels permanently reduced? Do river flow reductions or reduced aquifer levels adversely impact	No significant impacts are anticipated.	
threatened or endangered species?		
Redundant		
Are new sources independent of the Platte River developed?	 Missouri River is an independent source. 	
Capacity		
Can the alternative be expanded to meet demands beyond 2075?	Provisions for expansion can be included in the initial design of the facilities.	

SCORING KEY



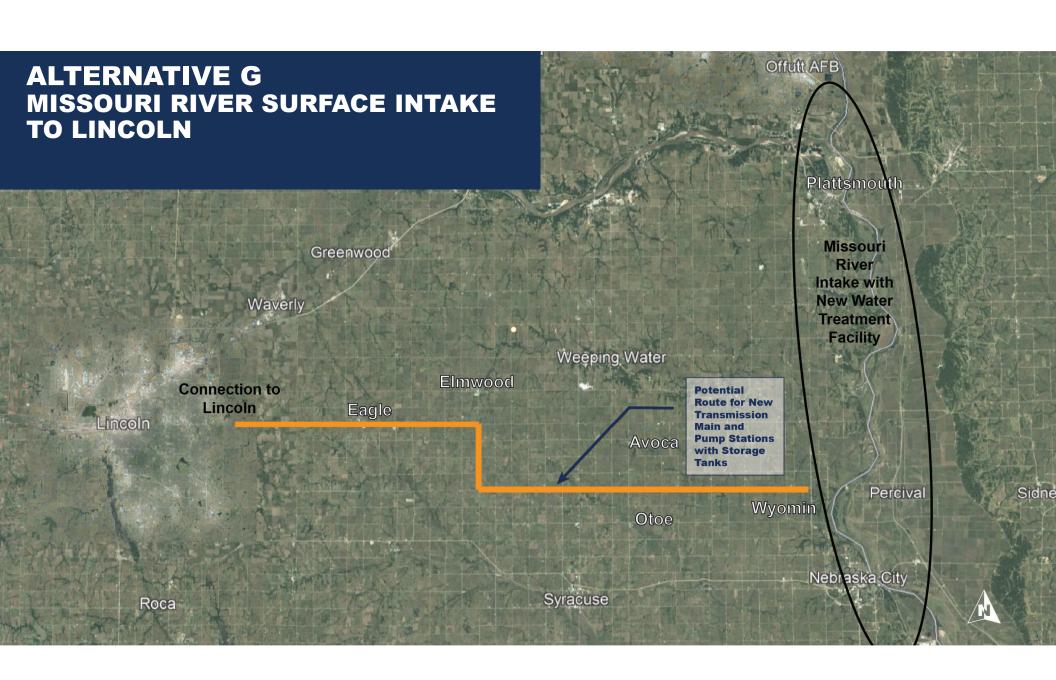


Alternative F - Missouri River Wellfield to Ashland

Score	e (1-5)	
SCUIT	= (1-0)	

Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Missouri River is an abundant supply. Long pipelines will be required which may be susceptible to flood damage. Likely a different power source from the existing wellfield and treatment plant reducing risk of power outage. Wellfield may be susceptible to flood damage	
Sustainable		
Are river flows or aquifer water levels permanently reduced?		
Do river flow reductions or reduced aquifer levels adversely impact threatened or endangered species?	No significant impacts are anticipated	
Redundant		
Are new sources independent of the Platte River developed?	 Missouri River alluvium is an independent source. 	
Capacity		
Can the alternative be expanded to meet demands beyond 2075?	Provisions for expansion can be included in the initial design of the facilities.	

SCORING KEY



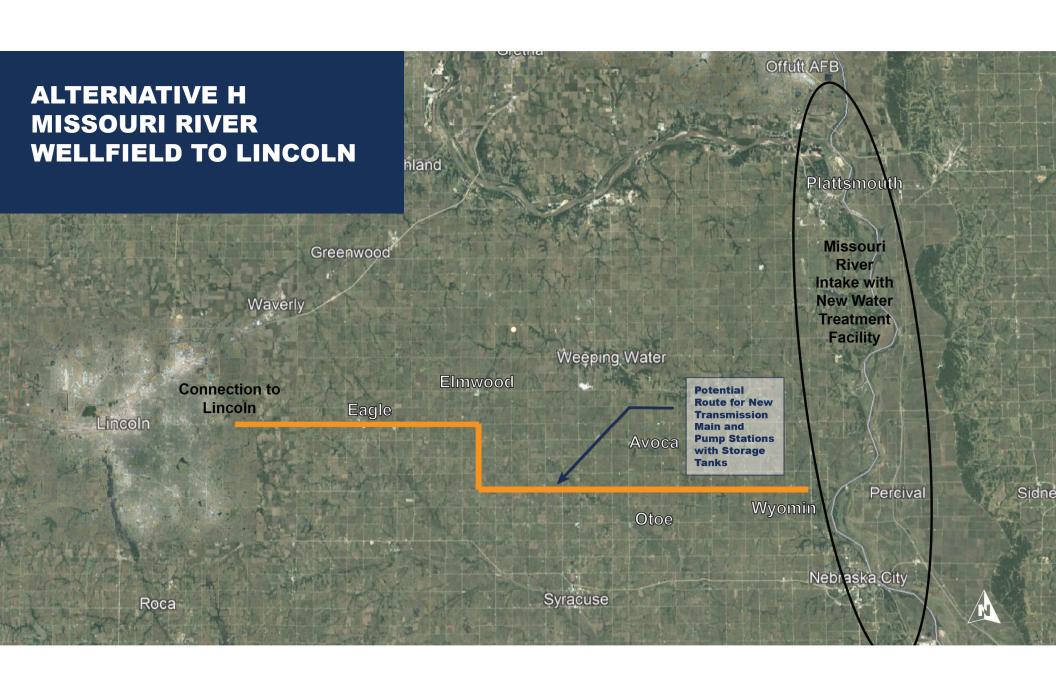


Alternative G - Missouri River Surface Water Intake to Lincoln

Coore	/4 E\	
Score	(1-5)	

Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Missouri River is an abundant supply. Long pipelines will be required which may be susceptible to flood damage. Likely a different power source from the existing wellfield and treatment plant reducing risk of power outage. Surface water intake may be susceptible to damage from ice flows and riverbed degradation.	
Sustainable		
Are river flows or aquifer water levels permanently reduced?	No significant impacts are anticipated.	
Do river flow reductions or reduced aquifer levels adversely impact threatened or endangered species?	The organical impacts are unaspected.	
Redundant		
Are new sources independent of the Platte River developed?	 Missouri River is an independent source. 	
Capacity		
Can the alternative be expanded to meet demands beyond 2075?	Provisions for expansion can be included in the initial design of the facilities.	

SCORING KEY





Alternative H - Missouri River Wellfield to Lincoln

_	
Score	(1-5)

Viable	Overview and Facts	Notes
What is the risk that the project(s) does not provide the required capacity during extreme events?	Missouri River is an abundant supply. Long pipelines will be required which may be susceptible to flood damage Likely a different power source from the existing wellfield and treatment plant reducing risk of power outage. Wellfield may be susceptible to flood damage	
Sustainable		
Are river flows or aquifer water levels permanently reduced? Do river flow reductions or reduced aquifer levels adversely impact threatened or endangered species?	No significant impacts are anticipated	
Redundant		
Are new sources independent of the Platte River developed?	 Missouri River alluvium is an independent source. 	
Capacity		
Can the alternative be expanded to meet demands beyond 2075?	Provisions for expansion can be included in the initial design of the facilities.	

SCORING KEY

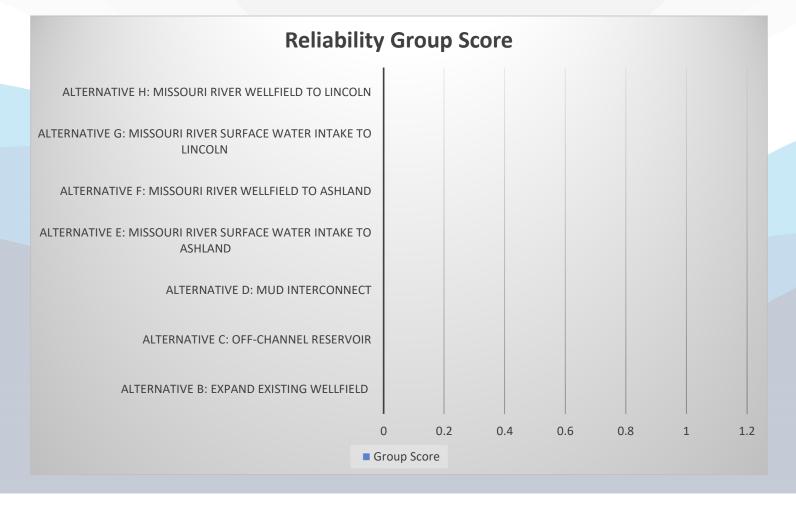
SCORING OF ALTERNATIVES: RELIABILITY CRITERIA







SCORING OF ALTERNATIVES: RELIABILITY CRITERIA







STAKEHOLDER IMPACTS CRITERIA





SCORING OF ALTERNATIVES: STAKEHOLDER IMPACTS CRITERIA





FINAL EVALUATION CRITERIA

Reliability

Governance

Life Cycle Cost

Operations

Implementation

Environmental Stewardship

Stakeholder Impacts

Economic impacts

Community impacts

Equity

Environmental justice





DEFINITION: STAKEHOLDER IMPACTS CRITERIA





List of Potential Community Stakeholders

- City of Lincoln ratepayers -residential, business, other customers
- Other groundwater well owners / groundwater users in vicinity of LWS wells
- Property owners surrounding potentially affected sand pit lakes (Alt B)
- Landowners within potential reservoir footprint and surrounding area (Alt C)
- Small communities / landowners along transmission line routes
- Residential communities along the I-80 corridor
- Present and future businesses along I-80 corridor
- State of Nebraska Department of Economic Development
- Lancaster, Cass, Otoe, Saunders, Sarpy, Douglas
- Metropolitan Utilities District







Construction Impacts

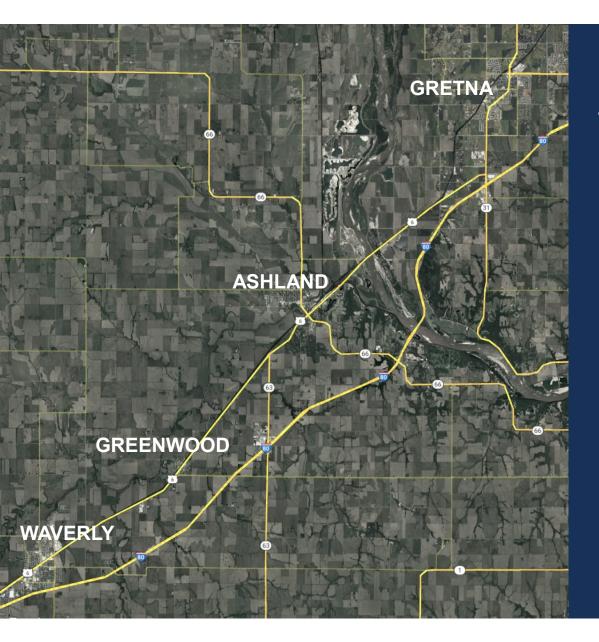
	Alternative B	Alternative C	Alternative D	Alternative E	Alternative F	Alternative G	Alternative H
Construction Duration	3 - 5 years	5 – 7 years	4 – 6 years	4 – 7 years	4 – 7 years	5 – 8 years	5 – 8 years
Total Employment (FTEs)	1,763	2,991	2,519	2,550	2,519	3,652	3,778
Annual Employment (FTEs)	441	499	504	464	458	562	581

Notes: (1) FTEs are full-time equivalent positions.

- (2) Total employment is FTEs over the entire construction period.
- (3) Annual employment was estimated using the mid-point of the estimated construction duration.







Prospective Development of the I-80 Corridor

- I-80 Corridor a central element of growth anticipated for the Lincoln-Omaha Region¹, projected to grow by 18 percent by 2050.
- I-80 Corridor communities of Ashland, Waverly,
 Greenwood and Gretna have together experienced 21 percent population growth since 2010.
- Population and economic growth in the Region can occur organically but at a measured pace, or at an accelerated rate, including mega projects.
- Major auto and battery plants have considered locating in the I-80 Corridor but went elsewhere

¹Includes counties of Lancaster, Sarpy, Cass and Douglas.

Water Availability and Development of the I-80 Corridor

- Nebraska has done much to support new businesses through the 2011 Talent and Innovation Initiative and Business Innovation Act, but regional approach represents an opportunity
- For example, major economic impact if mega-projects attracted:
 - Two mega-projects of 2,500 employees
 - Annual wage and salary income of \$300 M²
 - Capital Investment of \$3.0 B³
 - Additional employment, income and economic activity generated by project construction and operations throughout the region via the multiplier effect
- Potable water is a necessary but insufficient ingredient to attract mega projects and growth, need to "lean in" with coordinated investment.
 - Ample quantities of potable water need to be readily accessible
- Merits consideration of State support

²Assuming \$60,000 average annual compensation. ³Assuming \$1.5 B investment per project





Environmental Justice - Disproportionate impacts to low income or minority populations

- Collected low-income and minority population data at the <u>County level</u> from U.S. Census
- Identified smaller geographic areas (Census Tracts) encompassing Project facilities for each
 Alternative; collected same demographic and economic data for each smaller area
- For each Alternative, average Census Tract data compared with applicable County level data to identify differences in demographic and economic characteristics
- Where Census Tract data was more racially diverse or had lower economic measures, an Environmental Justice issue might stem from facility construction
- However, final determination of Environmental Justice issues will depend on exact location of facilities





Environmental Justice - County Level Demographic and Economic Characteristics

	Lancaster County	Cass County	Sarpy County	Saunders County	Otoe County
Median Age	33.8 years	41.3 years	34.8 years	41.1 years	42 years
% White Alone, not Hispanic or Latino	80.5%	93%	80.1%	94.9%	88.5%
Median Household Income	\$62,500	\$73,700	\$83,100	\$70,400	\$64,800
% Households Below Poverty Level	11.9%	6.4%	5.6%	6.2%	11.8%
Median Home Value	\$190,000	\$195,500	\$211,400	\$171,600	\$145,100

Note: The percent of households below the poverty level is not available at the Census Tract level in the American Community Survey Source: US Census Bureau, American Community Survey, 2020 5-Year Estimates





Environmental Justice Concerns – Alternatives B-H

	Alternative B: Expand Existing Wellfield	Alternative C: Off- Channel Reservoir	Alternative D: MUD Interconnect	Alternative E: Missouri River Surface Water Intake to Ashland (1)	Alternative F: Missouri River Wellfield to Ashland ⁽¹⁾	Alternative G: Missouri River Surface Water Intake to Lincoln ⁽²⁾	Alternative H: Missouri River Wellfield to Lincoln ⁽²⁾
Median Age	No	No	No	No	No	No	No
% White Alone, not Hispanic or Latino	No	No	No	No	No	No	No
Median Household Income	No	No	No	10.5% lower income in the Missouri River area	10.5% lower income in the Missouri River area	No	No
Median Home Value	No	No	No	13.1% lower home value in the Missouri River area	13.1% lower home value in the Missouri River area	No	No

Notes: (1) Alternatives E and F will affect three different Census Tracts for the Missouri River surface water intake, wellfield, pre-treatment plant and transmission lines to Ashland as compared to the other Alternatives. The determination of actual Environmental Justice issues will depend on the exact locations of these facilities.









Alternative B - Expand Existing Wellfield

Score (1-	-5)
-----------	-----

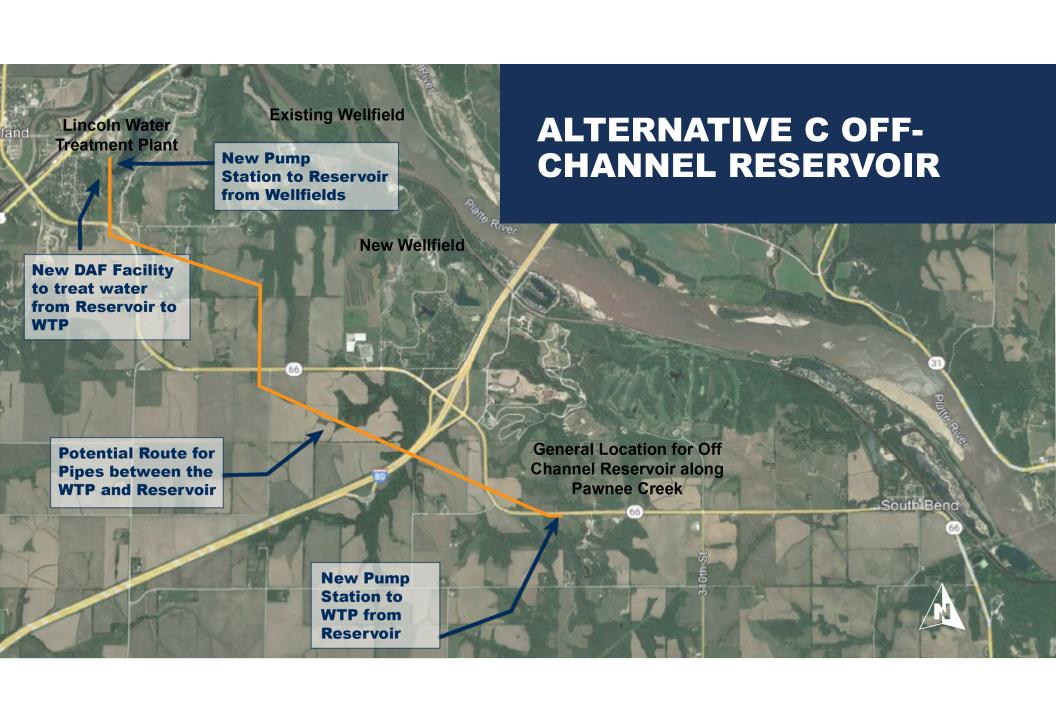
Economic Impacts	Overview and Facts	Notes
How much economic stimulus would be generated by construction activities?	Least amount of construction stimulus (jobs, income, local spending), will be temporary	
Will the City be able to reliably meet service area growth and demands?	Supply can match demand, but is vulnerable to interruption	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	Little to none – follows the existing supply corridor	
What is the potential for stimulating and supporting regional growth (je along the I-80 corridor)?	Yes, represents opportunity to support new development and growing communities in I- 80 corridor	
Community Impacts		
What is the extent of land use changes?	Minimal, small number of acres along the Platte River	
What social impacts would occur in rural areas?	None, limited interface with rural area	
Would regional demographic character be affected?	Yes, potential for younger population with higher incomes attracted to region	
What is the threat of interference to other groundwater users?	Possible issue for LWS to resolve	
Would property values be affected?	Potential for negative effects around existing sand pit lakes due to lake surface variation	
	Property values likely to increase in I-80 corridor.	
What recreational benefits or impacts would occur?	Potential for additional water level variation in several sand pit lakes adjacent to the Platte River	

SCORING KEY





Equity					
Is there a Not In My BackYard (NIMBY) feel from any communities?	Unlikely since few landowners would be affected				
Do certain subsets of the region benefit more than others?	Equivalent regional effects of additional supply				
Are certain subsets of the region adversely impacted more than others?	Equivalent regional impacts (minimal)				
Environmental Equity / Justice	Environmental Equity / Justice				
Are there disproportionate impacts to low- income communities from construction or operations?	Little to none				
Are there disproportionate impacts to minority communities from construction or operations?	Little to none				





Alternative C - Off-Channel Reservoir

Score	(1-5)	
JUDIE	11-01	

Economic Impacts	Overview and Facts	Notes
How much economic stimulus will be generated by construction activities?	Substantial amount of construction stimulus (jobs, income and local spending) but temporary	
Will the City be able to reliably meet service area growth and demands?	Yes. Storage can buffer GW supply interruption. Reduced economic risk	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	No change from present	
What is the potential for stimulating and supporting regional growth (je along the I-80 corridor)?	Yes, represents opportunity to support new development and growing communities in I- 80 corridor.	
Community Impacts		
What is the extent of land uses changes?	Reservoir footprint – 524 +/- acres from farming. Potential conversion of land around lake to recreation or residential Easements required along transmission line route	
What social impacts would occur in rural areas?	Potential traffic, additional human activity in Pawnee Creek area during construction and operation. Temporary disruption due to Highway 66 closure / detour	
Would regional demographic character be affected?	Yes, potential for younger population with higher incomes attracted to region	
What is the threat of interference to other groundwater users?	None	
Would property values be affected?	Yes, reservoir footprint acquired. Land around new reservoir might be higher value.	

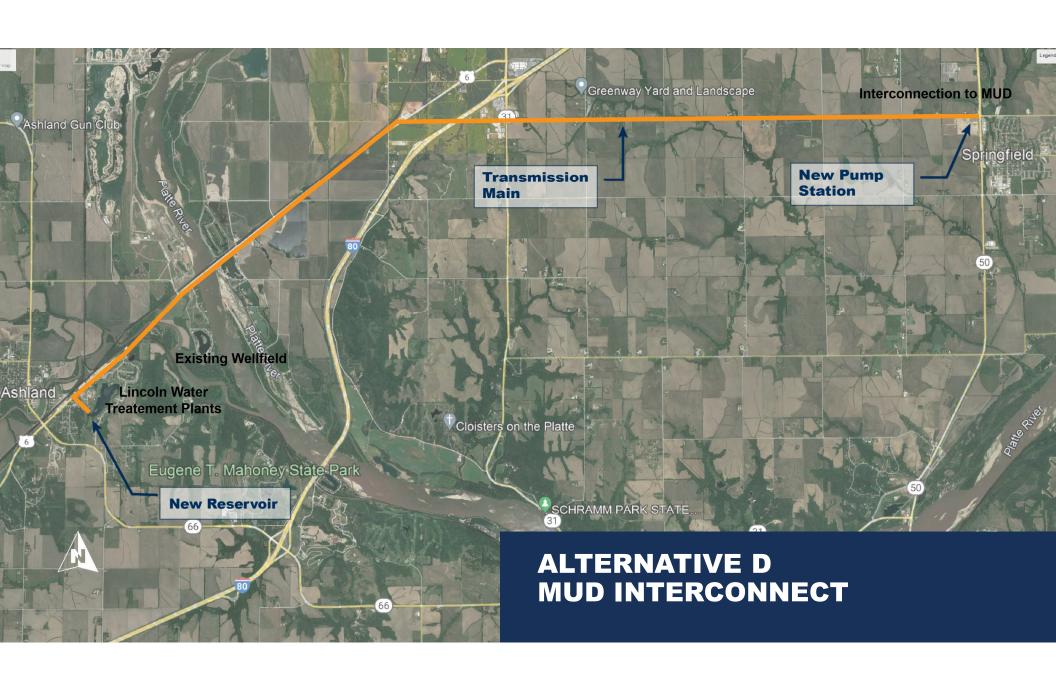
SCORING KEY





	Property values in I-80 corridor could increase.	
What recreational benefits or impacts would occur?	Potential recreational benefit around reservoir and possibly limited flatwater recreation depending on LWS operating criteria	
Equity		
Is there a Not <u>In</u> My <u>BackYard</u> (NIMBY) feel from any communities?	Potential for NIMBY response from local landowners in Pawnee Creek area	
Do certain subsets of the region benefit more than others?	Yes, landowners in the Pawnee Creek area might perceive economic and recreational benefit. I-80 corridor region can benefit	
Are certain subsets of the region adversely impacted more than others?	Potential issue for displaced landowners in reservoir footprint	
Environmental Equity / Justice		
Are there disproportionate impacts to low- income communities from construction or operations?	Little to none	
Are there disproportionate impacts to minority communities from construction or operations?	Little to none	

SCORING KEY





Alternative D - MUD Interconnect

Economic Impacts	Overview and Facts	Notes
How much economic stimulus will be generated by construction activities?	Substantial amount of construction stimulus (jobs, income and local spending) but temporary	
Will the City be able to reliably meet service area growth and demands?	Yes, full diversification of supply, must be non-interruptible	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	Yes, opportunity to serve present and future population centers along transmission corridor	
What is the potential for stimulating and supporting regional growth (je along the I-80 corridor)?	Yes, represents opportunity to support new development and growing communities in I- 80 corridor	
Community Impacts		
How would current land uses change?	Reservoir footprint – 5 to 10 acres from farming. Easements required along transmission line route	
	Potential for development along transmission line corridor.	
What social impacts would occur in rural areas?	Construction workers, traffic along transmission corridor Potential for new residents if new water service along transmission line	
Would regional demographic character be affected?	Possible in-migration where new water service may occur	
What is the threat of interference to other groundwater users?	None	
Would property values be affected?	Yes, potential for higher property values where new water service occurs	

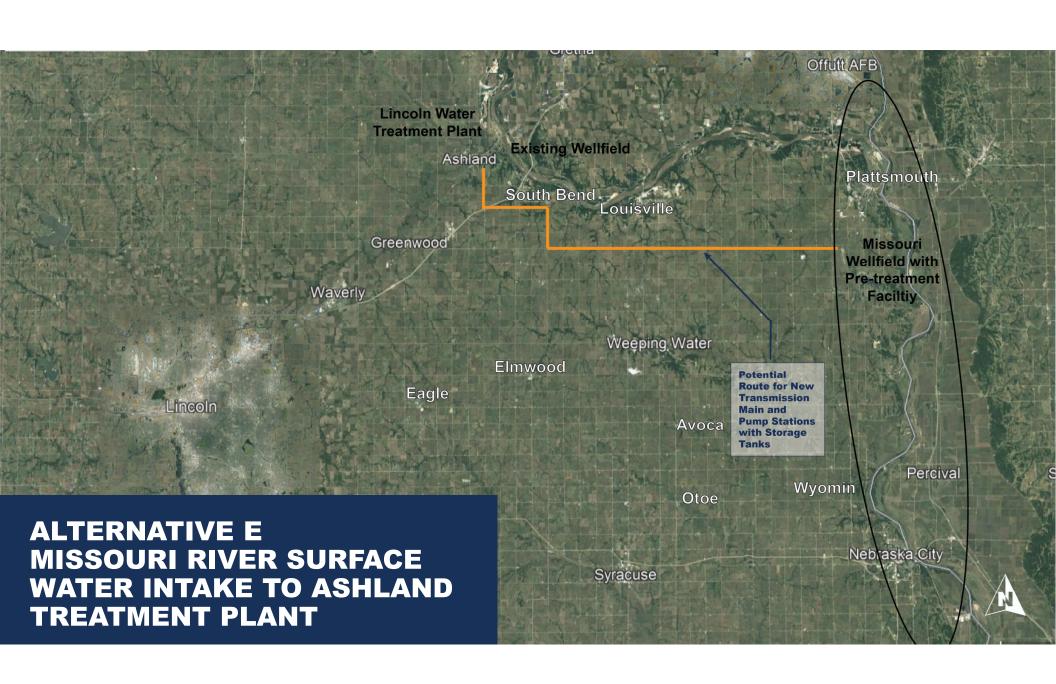
SCORING KEY





	Property values likely to increase in I-80 corridor	
What recreational benefits or impacts would occur?	None	
Equity		
Is there a Not In My BackYard (NIMBY) feel from any communities?	Unlikely from existing residents along transmission corridor	
Do certain subsets of the region benefit more than others?	Yes, opportunity for reliable new water service and economic opportunity along the transmission corridor and in I-80 corridor	
Are certain subsets of the region adversely impacted more than others?	Equivalent regional impacts (minimal)	
Environmental Equity / Justice		
Are there disproportionate impacts to low- income communities from construction or operations?	Little to none	
Are there disproportionate impacts to minority communities from construction or operations?	Little to none	

SCORING KEY





Alternative E - Missouri River Surface Water Intake to Ashland

Score (1-5)

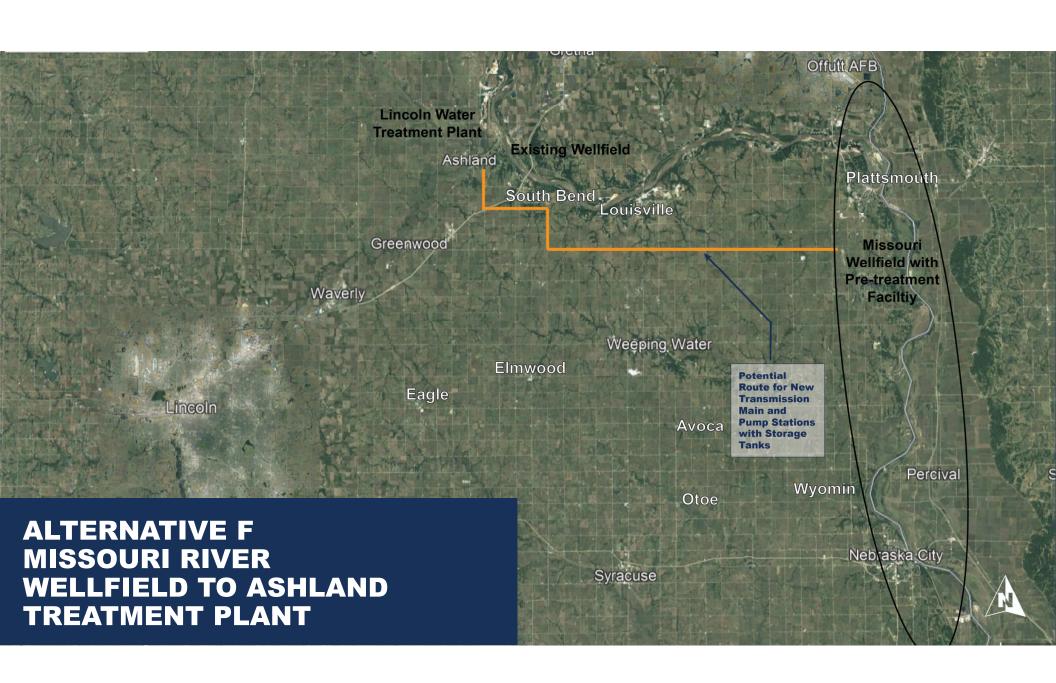
Economic Impacts	Overview and Facts	Notes
How much economic stimulus will be generated by construction activities?	Substantial amount of construction stimulus (jobs, income and local spending) but temporary	
Will the City be able to reliably meet service area growth and demands?	Yes, low economic risk with diversification of supply	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	Offers limited potential for water service to existing small communities along the transmission line route	
What is the potential for stimulating and supporting regional growth (je along the I-80 corridor)?	Yes, represents opportunity to support new development and growing communities in I- 80 corridor	
Community Impacts		
How would current land uses change?	Development in I-80 corridor and land around existing communities could be converted from rural to industrial, light commercial or residential	
What social impacts would occur in rural areas?	Increased traffic, workers during construction. In-migrating population would change rural character of I-80 corridor.	
Would regional demographic character be affected?	Yes, potential for younger population with higher incomes attracted to region	
What is the threat of interference to other groundwater users?	None	
Would property values be affected?	Yes, property values likely to increase in I- 80 corridor	
What recreational benefits or impacts would occur?	None	

SCORING KEY





Equity			
Is there a Not <u>In</u> My <u>BackYard</u> (NIMBY) feel from any communities?	Possible with new development potential in I-80 corridor		
Do certain subsets of the region benefit more than others?	Yes, a clear economic benefit to the I-80 corridor		
Are certain subsets of the region adversely impacted more than others?	Raw water transmission line minimal benefit to small communities nearby		
Environmental Equity / Justice			
Are there disproportionate impacts to low-income communities from construction or operations?	Small potential for disproportionate effects		
Are there disproportionate impacts to minority communities from construction or operations?	Little to none		





Alternative F - Missouri River Wellfield to Ashland

Score	(1-5))
Score	(1-5)	

Economic Impacts	Overview and Facts	Notes
How much economic stimulus will be generated by construction activities?	Substantial amount of construction stimulus (jobs, jncome and local spending), but temporary	
Will the City be able to reliably meet service area growth and demands?	Yes, low economic risk with diversification of supply	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	Offers limited potential for water service to existing small communities along the transmission line route	
What is the potential for stimulating and supporting regional growth (误 along the I-80 corridor)?	Yes, represents opportunity to support new development and growing communities in I- 80 corridor	
Community Impacts		
How would current land uses change?	Development in I-80 corridor and land around existing communities could be converted from rural to industrial, light commercial or residential, For wellfield and facilities, 160 acres changed from agriculture.	
What social impacts would occur in rural areas?	Increased traffic, workers during construction. In-migrating population would change rural character of I-80 corridor	
Would regional demographic character be affected?	Yes, potential for younger population with higher incomes attracted to region	
What is the threat of interference to other groundwater users?	None	
Would property values be affected?	Yes, property values likely to increase in I- 80 corridor	

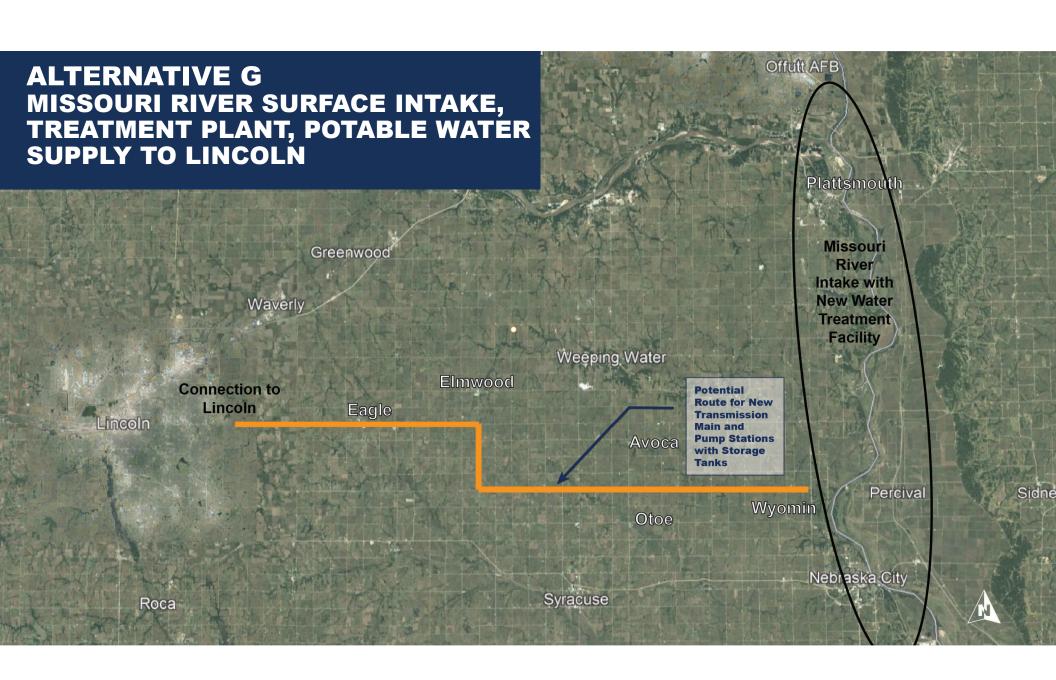
SCORING KEY





What recreational benefits or impacts would occur?	None		
Equity			
Is there a Not In My BackYard (NIMBY) feel from any communities?	Possible, with new development potential in I-80 corridor		
Do certain subsets of the region benefit more than others?	Yes, a potential economic benefit to the I-80 corridor		
Are certain subsets of the region adversely impacted more than others?	Raw water transmission line minimal benefit to small communities nearby		
Environmental Equity / Justice			
Are there disproportionate impacts to low- income communities from construction or operations?	Small potential for disproportionate effects		
Are there disproportionate impacts to minority communities from construction or operations?	Little to none		

SCORING KEY





Alternative G - Missouri River Surface Water Intake to Lincoln

Score (1-5)

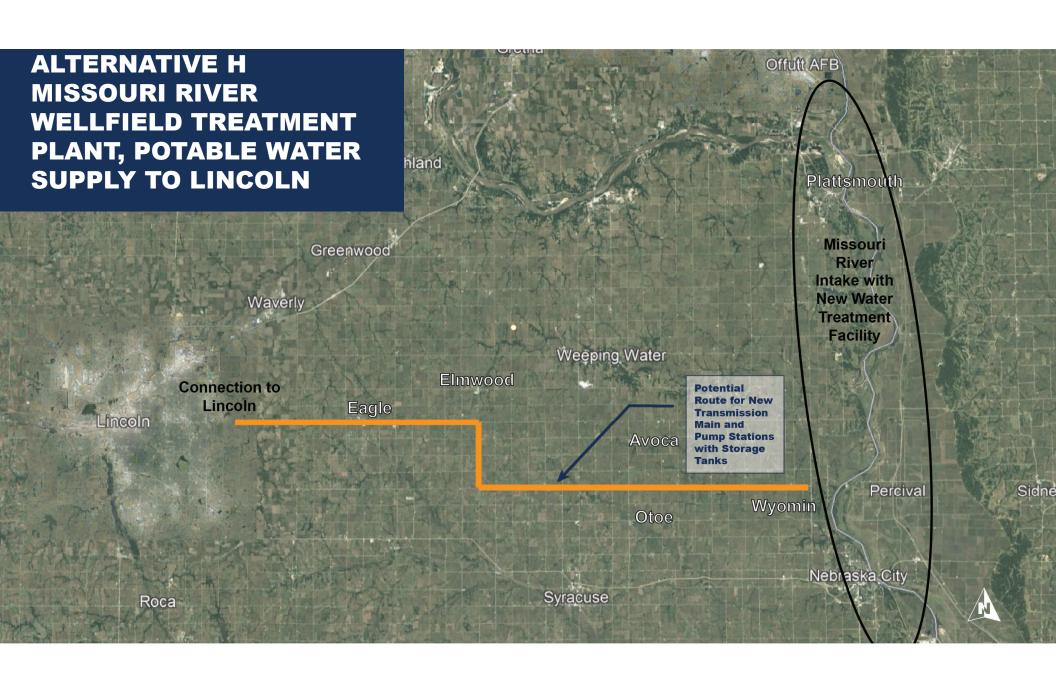
Economic Impacts	Overview and Facts	Notes
How much economic stimulus will be generated by construction activities?	Substantial amount of construction stimulus (jobs, jncome and local spending), but temporary	
Will the City be able to reliably meet service area growth and demands?	Yes, low economic risk with diversification of supply	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	 Yes, offers potential for water service to existing small communities along the transmission line route, 	
What is the potential for stimulating and supporting regional growth (ie along the I-80 corridor)?	Little to none. No additional treated water at Ashland or that transmission corridor.	
Community Impacts		
How would current land uses change?	Minimal; new water treatment plant footprint (10+ acres) changed from agriculture	
What social impacts would occur in rural areas?	Increased traffic, workers during construction.	
Would regional demographic character be affected?	No, evolution in regional demographic character would continue	
What is the threat of interference to other groundwater users?	None	
Would property values be affected?	• No	
What recreational benefits or impacts would occur?	None	

SCORING KEY





Equity			
Is there a Not In My BackYard (NIMBY) feel from any communities?	Unlikely around new water treatment plant		
Do certain subsets of the region benefit more than others?	Small communities along treated water transmission line might have access to additional water		
Are certain subsets of the region adversely impacted more than others?	• No		
Environmental Equity / Justice			
Are there disproportionate impacts to low- income communities from construction or operations?	Little to none		
Are there disproportionate impacts to minority communities from construction or operations?	Little to none		





Alternative H - Missouri River Wellfield to Line
--

Economic Impacts	Overview and Facts	Notes
How much economic stimulus will be generated by construction activities?	Substantial amount of construction stimulus (jobs, jncome and local spending) but temporary	
Will the City be able to reliably meet service area growth and demands?	Yes, low economic risk with diversification of supply	
What is the potential for the <u>City</u> to serve areas outside of the current service area boundaries?	Yes, offers potential for water service to existing small communities along the transmission line route,	
What is the potential for stimulating and supporting regional growth (ie along the I-80 corridor)?	Little to none. No additional treated water at Ashland or that transmission corridor.	
Community Impacts		
How would current land uses change?	Minimal; new water treatment plant footprint (10+ acres) plus 160 acres for well field changed from agriculture	
What social impacts would occur in rural areas?	Increased traffic, workers during construction.	
Would regional demographic character be affected?	No, evolution in regional demographic character would continue.	
What is the threat of interference to other groundwater users?	None	
Would property values be affected?	• No	
What recreational benefits or impacts would occur?	None	

SCORING KEY





Equity		
Is there a Not In My BackYard (NIMBY) feel from any communities?	Unlikely around new water treatment plant	
Do certain subsets of the region benefit more than others?	 Small communities along treated water transmission line might have access to additional water. 	
Are certain subsets of the region adversely impacted more than others?	• No	
Environmental Equity / Justice		
Are there disproportionate impacts to low- income communities from construction or operations?	Little to none	
Are there disproportionate impacts to minority communities from construction or operations?	Little to none	

ALTERNATIVE SCORING STAKEHOLDER IMPACTS CRITERIA







SCORING OF ALTERNATIVES:

STAKEHOLDER IMPACTS CRITERIA







QUESTIONS





CLOSING THOUGHTS



