

Economic Development Request: Project AA Spark

Reviewed for 2.0-4.0MVA (Phase 1) & or 10.0 MVA (Phase 2)

Address	Short term needs (distribution feed)					Long term needs (Industrial Substation)						
	Primary voltage	Distance to feed	3-Phase to feed	Timeline (mos.)	Ballpark Cost (\$k)	Capacity available prior to project (MVA)	Max capacity available prior to Industrial Substation (MVA)	Primary voltage	Distance to feed	Base Timeline (mos.)	Ballpark Cost - Single Fed Sub (\$k)	Ballpark Cost - Two Feed Sub (\$k)
Latson Rd, North of Railroad is 13.2kV	13.2kV	150ft		<12	may exceed \$100	1.6	4.0	40kV	8448ft	18-24	\$4,400	N/A
Latson Rd, South of Railroad is 4.8kV	13.2kV	Up to 2,300ft		>12	likely to exceed \$500	0.0	4.0	120kV	8448ft	24-30	\$4,600	\$3500

Proposal:

- Provide initial service, up to 4.0MVA for customer from distribution system to **meet Month, Year (not provided)** want date [defined as 'short term'].
 - Where system upgrades are required, partial capacity may be available prior to project completion.
- In parallel, if needed, start process to establish an industrial substation for long term needs. When industrial substation is energized, customer will disconnect from the distribution and be served from the industrial substation [defined as 'long term']. Timeline for long term solution will be refined as final scope is developed and customer timing is determined.
- Generally, most costs shown above will be eligible for Standard Allowance credits per the DTE/MPSC Rate Book.
- Required substation footprints are ~110'x110' (Single transformer) and ~200'x200' (Two transformer)

***Disclaimer:** The above analysis has been performed without studying line capacity and voltage violations. The above estimates make certain assumptions that may change depending upon a detailed review, and the above costs could change (increase or decrease). The ITC Transmission Company (ITCT) and DTE Energy would need to run additional system studies to confirm available capacity, to identify additional requirements (if any) and to approve the service method. This project would require MISO review (handled by ITCT). The estimated time to complete the work described is after a "go-ahead" is given and will depend on various issues including but not limited to: ITCT/DTE Engineering & MISO approvals, satisfactory customer site preparation and deliverables described in SPE PP 803B, securing necessary rights-of-way/easements, equipment availability and deliverability lead times, other maintenance or construction schedules, weather, and outage requirements.*

Engineering provided cost does not include any changes required for electrical service/connections at the building address. Capacity on electric circuits changes with each customer request, and no capacity is reserved at this time for this potential customer. To reserve capacity a formal Method of Service request would be required should the customer decide to move forward with a specific location. Requests for redundant feeds would also need to be evaluated in further detail by Engineering.