Current ES&GA Rate:

PROJECT DETAILS

ESTIMATOR:	
DISTRICT:	
CITY:	
DATE:	

DESCRIPTION:

PROVIDE GAS SERVICE TO CREER DUPLEX PROJECT IN WEST RICHLAND EAST OF KEENE ROAD PHASE 6/7 EXPANSION EAST OF KEENE RD

ESTIMATED IN SERVICE DATE: 6/1/20

		*	Costs for feasibilty worksheets and PowerPlan		Total estimated cost for project authorization
CNGC Cost Summary	Subtotal Direct Cost	Contingency Cost	Total Direct Cost	CNGC Corporate Overhead	Total Project Costs
Materials					
1" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Materials					
4" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Labor					
1" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Equipment					
1" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other					
1" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Contractor Labor					
1" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Contractor Labor					
4" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Facility Costs		·	••••••••••••••••••••••••••••••••••••••		
TOTAL PROJECT COST				State of the state	
Total Pipe Footage	180	feet	Total Estimated Cost	Per Foot:	* • • •
Reimbursable Projects	Enter FIT		Total Cost For Reimbu	ursement:	

General Notes:

Estimate is based on standard rates for materials, labor, and equipment.

	CAS	CADE NATURAL GAS CORPORAT	ION		
	ltem	2" MAIN ORE DACTED	Quantity	Unit Cost EXHIBIT A1	
2" MDPE Pipe Part#: PPE-355		MATERIALS			
2" Epoxy Coated Steel Pipe Grade B (20' Lengths) Part#: PFBE-355				
2" Epoxy Coated Steel Pipe Part#: PFBE-356 Tracer Wire Part#: H-115					
Test Station Marker Part#: H-105					
Burial Kit Part#: H-1030 & H1040 Round Locate Coupon Part #: H-760					
1" Sav-a-valve Part#: NP-213					
2" Royston Wrap Part#: H-7 4" Royston Wrap Part#: H-8					
Royston Primer Part#: H-12					
Trenton Underground Tape Part#: H-780 Trenton Primer Part#: H-782					
2" Transition Part#: H-109					
2" Top Tap Stop Part#: SP-356					
2" Bottom Out Stop Part#: SP-358 2" 90 Weld Ell Part#: EL-360					
2" Steel Service Tee Part#: TE-363					
2" PE Cap Part#: PCA-320 2" Electro Coupler Part #: PCP-360					
2" PE Tee Part#: PTE-360			-		
2" PE 90 Ell Part#: PEL-360					
Marker Ball Misc Parts					
6x4 Reducer					
4x2 Reducer					
Sub-Total: Materials					
TOTAL: Materials			_		
		CONTRACTOR LABOR			
Low records and a second sec	ltem		Quantity	Unit Cost Total	
Contractor Bid			Ente	er Bid Price: \$ -	
l Mobilization					
2" PE Mobilization OT					
2" PE Mobilization Dig 2" PEMobilization Replace					
2" Steel Mobilization OT					
2" Steel Mobilization Dig 2" Steel Mobilization Replace					
Pipe Instalition 2" PE Install OT (ft)			-		
2" PE Install Dig (ft)					
2" PE Install Replace (ft) 2" Steel Install OT (ft)					
2" Steel Install Dig (ft)					
2" Steel Install Replace (ft)					
2" PE & STL Missle/Hog shot (ft) 2" PE Directional Bore (ft) **Dirt					
2" PE Directional Bore (ft) **Rock					
2" Steel Directional Bore (ft) **Dirt 2" Steel Directional Bore (ft) **Rock					
Additional Tie-in Fittings (First included in					
	n mobilization)		_		
2" Tie-in, Top Tap (Each) 2" Tie-in, Wrap Around (Each)	n mobilization)		-		
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each)	n mobilization)		-		
2" Tie-in, Wrap Around (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, lees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 2" Steel Cut & Cap (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 2" Steel Cut & Cap (Each) 4" Tie-in, Top Tap (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, lees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 2" Steel Cut & Cap (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transilion (Each) 2" PE Cut & Cap (Each) 2" Steel Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transilion (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transilion (Each) 2" PE Cut & Cap (Each) 2" Steel Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transilion (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Steel to PE Transilion (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transilion (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 9E ote, Etc (Each) 4" Steel to PE Transilion (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" 90's, Tees, Etc (Each) 6" Steel to PE Transition 6" PE Cut & Cap (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" 90's, Tees, Etc (Each)	n mobilization)				
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap					
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel Cut & Cap Blacktop Blacktop SawCut, per inch thickness per foot (ft*		Depth (in)	0		
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap	in.)	Depth (in)	0)		
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transilion (Each) 2" Steel Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Top Tap (Each) 4" Steel to PE Transilion (Each) 4" Steel to PE Transilion (Each) 4" PE Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transilion 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap (Each) Blacktop SawCut, per inch thickness per fool (ft* Blacktop SawCut, minimum charge Blacktop Remove Only (sq ft), assumes 4" depth Blacktop Remove and Replace up to 4" depth, (sc	in.) q ft), under 400 sq ft	Depth (in)	1)		
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transilion (Each) 2" Steel Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Steel to PE Transilion (Each) 4" PE Steel Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transilion 6" Steel to PE Transilion 6" Steel to RE Transilion 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap (Each) 8] Cacktop SawCut, per inch thickness per foot (ft* B] Cacktop SawCut, minimum charge 8] Cacktop Remove Only (sq ft), assumes 4" depth	in.) q ft), under 400 sq ft q ft), over 400 sq ft	Depth (in)	0		
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each) 2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each) 4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Steel to PE Transition (Each) 4" Steel to PE Transition (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel Cut & Cap Blacktop Eut & Cap Blacktop SawCut, per inch thickness per foot (ft* Blacktop Remove only (sq ft), assumes 4" depth Blacktop Remove and Replace up to 4" depth, (s	in.) q ft), under 400 sq ft q ft), over 400 sq ft (each)				

Concrete

Concrete SawCut, per inch thickness per fool (ft* in) Concrete SawCut, minimum charge (each) Concrete Remove (sq ft), up to 4" depth Concrete sidewalk break, remove and replace 4" thick under 400 sq ft Concrete sidewalk break, remove and replace 4" thick over 400 square feet. Concrete sidewalk break, remove and replace 4" thick, 1" increments Concrete sidewalk break, remove and replace up to 8" thick Concrete sidewalk break, remove and replace up to 8" thick Concrete sidewalk break, remove and replace, 1" increments Concrete sidewalk break, remove and replace, 1" increments Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft) Concrete Place (sq ft), up to 4" depth Concrete Remove and Replace, minimum charge (each) Concrete Disposal, per ton	Depth (in): Length (ft) REDACTED	
New Fill Material Cold Mix, in place (sq ft) CDF, per cubic yard (cu yard) Gravel, pit run, in place (cu yard) Crushed rock, cinder, in place (cu yard) Lava rock, in place (cu yard) Sand, in place (cu yard) Topsoil (cu yard) Beauty Bark (cu yard) Sod Remove/Replace (sq ft) Sand bags, in place (Each) Haul off extra material, (cu yard)	6	
Miscellaneous Items Trenching over 3' deep, per foot of trench (ft) Trench Shoring, per foot of trench (ft) Frost over 3'', per foot of trench (ft) Frost over 3'', per foot of trench (ft) Rock saw mobilization Rock saw 6'' wide, 30'' deep, per foot of trench (ft) Rock saw 6'' wide, depth > 30'', per 12'' incr. (enter total addit. depth over 30'' in inches) Jackhammer, hyd. Backhoe 30'' Deep, per foot (ft) Jackhammer, hyd. Backhoe, depth > 30'', per 12'' incr. (enter total addit. depth over 30'' in inches) Rock, Hard pan, per foot of trench (ft) Additional tie-in hole or bell hole, (Each) Bell Hole Shoring, (sq ft) Street Plates 7X12 daily per plate Install barricade or guard post, lump sum Flagging that requires a traffic plan, per hour (hr) Service Drill - 2'' & smaller - 100' minimum, 200' maximum	Depth (in): Length (ft) Depth (in): Length (ft) Plates Days Plates Days	
Meter Sets Install HPSS, per each (each) Fabricate meter set 10P - drawings attached in CP 685, per each (each) Fabricate meter set 11 - drawings attached in CP 685, per each (each) Fabricate meter set 11P - drawings attached in CP 685, per each (each) Fabricate meter set 12P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 15P - drawings attached in CP 685, per each (each)		
Additional Labor and T&M Rates JD 310 Backhoe with operator Backhoe 580K with hydraulic jackhammer & operator Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer		
Overtime Rates Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Per Diem Will be negotiated between contractor and owner		
2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day Other:		

Sub-Total: Contractor Labor						
TOTAL: CONTRACTOR LABOR	Enter Correct Sales Tax:	REDACTE	D			EXHIBIT A1
IOTAL: CONTRACTOR LABOR						
Trench volume calculator:		Length (fl):	Width (ft):	Depth (ft):		Volume (yds): <mark>\$</mark>
Concrete/blacktop tonnage calculator:		Length (fl):	Width (ft):	Depth (in):		Weight (tons): \$ -
CNGC LABOR CNGC Travel Time (to and from project) Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew + Control Equipment Mechanic Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utility) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Travel Time CNGC Company Labor (inspection and miscellaneous reco Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer						s -
District 3 Man Crew (Comb Welder, Operator, Utillity) District 3 Man Crew + Control Equipment Mechanic Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utillity) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic)					
Sub-Total: CNGC Company Labor				c	ontingency	
TOTAL: CNGC LABOR					\$	- \$
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 14001-19500 GVWR Trucks 1501-32999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR CNGC Equipment (per hour rate) Trench Plow Combo 35-100 hp Skid-Steer Loader Tractor w/Backhoe-Front End Loader Air Compressors Welders (Gas Operated)						
Sub-Total: CNGC Equipment						\$ -
Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42" Bucket Caterpillar 314 Track Hoe with 36" Bucket Caterpillar How Pack Caterpillar D5G Dozer Delivery Charge						
Sub-Total: Rented Equipment				-	ontingency	\$-
TOTAL: EQUIPMENT					\$	- \$ -
OTHER Travel, Food and Lodging Expenses Gasoline Hotel and Meals (out of town labor) Meals (in town labor) Miscellaneous expenses (OT) Permits Sub-Total: Other						
TOTAL: OTHER				c	ontingency	- \$ -

Current ES&GA Rate:

1

PROJECT DETAILS

ESTIMATOR:	
DISTRICT:	
CITY:	
DATE:	

DESCRIPTION:

Brit Creer Apartments , Instalation of Mains for service to Britt Creer Apartments in West Richland East of Keene Rd Phase 6 Expansion

ESTIMATED IN SERVICE DATE:

			Costs for feasibilty worksheets and PowerPlan		Total estimated cost for project authorization
CNGC Cost Summary	Subtotal Direct Cost	Contingency Cost	Total Direct Cost	CNGC Corporate Overhead	Total Project Costs
Materials					
1" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Materials					
6" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Labor					
1" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Equipment					
1" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other					
1" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Contractor Labor					
1" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Contractor Labor					
6" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Facility Costs					
TOTAL PROJECT COST	State State				220
Total Pipe Footage	275	feet	Total Estimated Cost	Per Foot:	
Reimbursable Projects	Enter FIT		Total Cost For Reimb	ursement:	
FIT is 10.94% in WA and 11.7% in OR.					

FIT is 10.94% in WA and 11.7% in OR.

General Notes:

PRELIMINARY ESTIMATE PENDING FINAL SITE LAYOUT APPROVAL BY CITY

Estimate is based on standard rates for materials, labor, and equipment.

	CASCADE	NATURAL GAS COF				
	Item	4" MAREDACTIE	jε	Quantity		1.1
4" MDPE Pipe Part#: PPE-560 4" Epoxy Coated Steel Pipe Part#: PFBE-550X42	item	MATERIALS		Quantity	Unit Cost To	ital
Tracer Wire Part#: H-115 Test Station Marker Part#: H-105						
Burial Kit Part#: H-1030 & H1040 Round Locate Coupon Part #: H-760 1" Sav-a-valve Part#: NP-213						
2" Royston Wrap Part#: H-7 4" Royston Wrap Part#: H-8						
Royston Primer Part#: H-12 Trenton Underground Tape Part#: H-780 Trenton Primer Part#: H-782						
4" Transition Part#: H-110 4" Top Tap Stop Part#: SP-556						
4" Bottom Out Stop Part#: SP-554 4" 90 Weld Ell Part#: EL-555						
4" PE Cap Part#: PCA-520 4" Electro Coupler Part #: PCP-570 4" PE Tee Part#: PTE-560						
4" PE Ell Part#: PEL-560 Misc Part						
Sub-Total: Materials						
TOTAL: Materials						
TOTAL. Materials				-		
Contractor Bid	Item	CONTRACTOR LABOR		Quantity Enter Bid Price		-
Mobilization						
4" PE Mobilization OT 4" PE Mobilization Dig						
4" PE Mobilization Replace 4" Steel Mobilization OT						
4" Steel Mobilization Dig 4" Steel Mobilization Replace						
Pipe Installtion 4" PE Install OT (ft)				-		-
4" PE Install Dig (ft) 4" PE Install Replace (ft)						
4" Steel Install OT (ft) 4" Steel Install Dig (ft)						
4" Steel Install Replace (ft)						
4" PE & STL Missle/Hog shot (ft) 4" PE Directional Bore (ft) **Dirt						
4" PE Directional Bore (ft) **Rock 4" Steel Directional Bore (ft) **Dirt						
4" Steel Directional Bore (ft) **Rock Additional Tie-in Fittings (First included in m	obilization)					
2" Tie-in, Top Tap (Each)				-		-
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each)						
2" Steel to PE Transition (Each) 2" PE Cut & Cap (Each)						
2" Steel Cut & Cap (Each) 4" Tie-in, Top Tap (Each)						
4" Tie-in, Wrap Around (Each)						
4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each)						
4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each)						
6" Tie-in, Wrap Around (Each)						
6" 90's, Tees, Etc (Each) 6" Steel to PE Transition						
6" PE Cut & Cap (Each) 6" Steel Cut & Cap						
Blacktop Blacktop SawCut, per inch thickness per foot (fi* in.)		Depth (in)	Length (ft)	-		-
Blacktop SawCut, minimum charge Blacktop Remove Only (sq ft), assumes 4" depth						
Blacktop Remove and Replace up to 4" depth, (sq fl)						
Blacktop Remove and Replace up to 4" depth, (sq ft) Blacktop Remove and Replace, minimum charge (ea	ch)					
Blacktop Remove and Replace, per additional depth Blacktop Disposal, (ton)	in inches over 4" per square footage (in*sq ft)	Depth (in)	Area (sq ft)			
Concrete						_
Concrete SawCut, per inch thickness per foot (ft* in) Concrete SawCut, minimum charge (each)		Depth (in):	Length (ft)			

Concrete Remove (sq ft), up to 4" depth Concrete sidewalk break, remove and replace 4" thick under 400 sq ft Concrete sidewalk break, remove and replace 4" thick over 400 square feet. Concrete sidewalks break, remove, replace over 4" thick, 1" increments Concrete street break, remove and replace up to 8" thick	REDACTED	EXHIBIT A2
Concrete street over 8" thick break, remove and replace, 1" increments Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft) Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in): Area (sq ft) Depth (in): Area (sq ft)	
Concrete Remove and Replace, minimum charge (each) Concrete Disposal, per ton		
New Fill Material Cold Mix, in place (sq ft) CDF, per cubic yard (cu yard) Gravel, pil run, in place (cu yard) Crushed rock, cinder, in place (cu yard) Lava rock, in place (cu yard) Sand, in place (cu yard) Topsoil (cu yard) Beauty Bark (cu yard) Sod Remove/Replace (sq ft) Sand bags, in place (Each)		
Haul off extra material, (cu yard)		
Miscellaneous items Trenching over 3' deep, per foot of trench (ft) Frost over 3", per foot of trench (ft) Frost over 3", per foot of trench (ft) Rock saw 6" wide, 30" deep, per foot of trench (ft) Rock saw 6" wide, 30" deep, per foot of trench (ft) Rock saw 6" wide, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches) Jackhammer, hyd. Backhoe 30" Deep, per foot (ft) Jackhammer, hyd. Backhoe, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches) Jackhammer, hyd. Backhoe, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches) Rock, Hard pan, per foot of trench (ft) Additional tie-in hole or bell hole, (Each) Bell Hole Shoring, (sq ft) Street Plates 5X7 daily per plate Install barricade or guard post, lump sum Flagging that requires a traffic plan, per hour (hr) Service Dill - 2" & smaller - 100" minimum, 200' maximum	Depth (in): Length (ft) Depth (in): Length (ft) Plates Days Plates Days	
Meter Sets		
Install HPSS, per each (each) Fabricate meter set 10P - drawings attached in CP 685, per each (each) Fabricate meter set 11 - drawings attached in CP 685, per each (each) Fabricate meter set 11P - drawings attached in CP 685, per each (each) Fabricate meter set 12P - drawings attached in CP 685, per each (each) Fabricate meter set 12P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each) Fabricate meter set 14P - drawings attached in CP 685, per each (each) Fabricate meter set 15P - drawings attached in CP 685, per each (each)		
Additional Labor and T&M Rates		
JD 310 Backhoe with operator Backhoe 580K with hydraulic jackhammer & operator Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder /Journeyman BOA Welder Fuser Welder Helper Operator Laborer		
Overtime Rates		
Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper		
Laborer		
Per Diem Will be negotiated between contractor and owner		
2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day		
Other:		
Sub-Total: Contractor Labor Enter Corre	ect Sales Tax:	

Traink volume scholator: ConcreteMediator formage scholator: ConcreteMediator formage scholator: CNSC LABOR CNSC LABOR CNSC LABOR CNSC LABOR CNSC LABOR CNSC LABOR CNSC Area Time (to and from project) Mediana Scholator Inputor ConcreteMediator formation Service Line Wedde Laborar of Leonor And Service Line Wedde Laborar of Leonor Control Mediana Service Line Wedde Laborar of Leonor Control Equipment Mechanic Control Equipment Mec	
Concentrabilitation from project where the form project where the form of the form project where the form project	
CNGC LABOR CRGG Travel Time (to and from project) Matering & Estelocitic Impeter A Combination Water Service Line Water Backhos Operator Ullilly A Laborer Dialded 3 Man Crew (Comb Water, Operator, Ullilly) Dialded 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Comb Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio: Dated 3 Man Crew (Contro Water, Operator, Ullilly) Continne Ratio	ons): \$ -
CHGC Travel Time (to and from project) Metering A Electronic Inspector A Control Expector A Control Exp	
Service Line Welder Backhoe Operator Uillig A Laborer Diskid 3 Man Crew (Comb Welder, Operator, Utillity) Diskid 3 Man Crew + Control Equipment Mechanic Overtime Rate: Diskid 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Company Labor Contingency TOTAL: CNGC Company Labor Contingency Control Equipment Contingency Compact Car Compact Car Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 8.1 Ton Van 12 Ton Pickup 11 Ton Pickup 1	
Utility A Laborer District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew (Comb Welder, Operator, Utility) Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utility) Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utility) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Company Labor Contingency TOTAL: CNGC LABOR EQUIPMENT CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Pickup 3/4 Ton Pickup 3/4 Ton Pickup 1 Ton Pi	
District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew + Control Equipment Mechanic Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Company Labor Contingency TOTAL: CNGC LABOR Compact Car Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV Compact Van Full Size SUV 12 John Pickup 112 Ton Pickup 112 Ton Pickup 112 Ton Pickup 115 To	
Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Company Labor Contingency TOTAL: CNGC LABOR EQUIPMENT CNGC Vehicles (per mile rate) Compact Car Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 1 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 14001-19500 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GWWR Trucks 34000-59999 GWWR Trucks 14001-19500 GVWR CNGC Equipment (per hour rate) Treactor Trailer all GVW CNGC Equipment (per hour rate) Treactor WBackhoe-Front End Loader	
TOTAL: CNGC LABOR \$ - EQUIPMENT CNGC Vehicles (per mile rate) Compact Car Compact Car - Compact Pickup Mid-Size SUV Mid-Size SUV - 20mpat Van - Full Size SUV - 12, 3/4 & 1 Ton Van - 1/2 Ton Pickup - 3/4 Ton Pickup - 1 Ton Pickup - Trucks 14001-19500 GVWR - Tractor WR - Kid-Steer Loader - Tractor WBackhoe-Front End Loader -	ş -
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup 1 Ton Pickup 1 Ton Pickup 1 Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19500-59999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Tench Piow Combo 35-100 hp Skid-Steer Loader Tractor WBackhoe-Front End Loader	\$-
Air Compressors Welders (Gas Operated) Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42" Bucket Caterpillar 314 Track Hoe with 36" Bucket Caterpillar How Pack Caterpillar How Pack Caterpillar D5G Dozer Delivery Charge	
Sub-Total: Rented Equipment Contingency	\$ -
TOTAL: EQUIPMENT OTHER Travel, Food and Lodging Expenses Gasoline Hotel and Meals (out of town labor) Meals (in town labor) Miscellaneous expenses (OT) Permits Sub-Total: Other	<u>\$</u> -
TOTAL: OTHER	

PROJECT DETAILS

ESTIMATOR:	
DISTRICT:	
CITY:	
DATE:	

DESCRIPTION:

Provide Mains for AHO 120 Apartment Complex North of Keene Rd Phase 6 Expansion in West Richland

ESTIMATED IN SERVICE DATE:

			Costs for feasibilty worksheets and PowerPlan		Total estimated cost for project authorization
CNGC Cost Summary	Subtotal Direct Cost	Contingency Cost	Total Direct Cost	CNGC Corporate Overhead	Total Project Costs
Materials					
1" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Materials					
4" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Labor					
1" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Equipment					
1" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other	and the second second				
1" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Contractor Labor					
1" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Contractor Labor					
4" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Facility Costs					
TOTAL PROJECT COST					
Total Pipe Footage	450	feet	Total Estimated Cost I	Per Foot:	
Reimbursable Projects	Enter FIT	New York Street Street	Total Cost For Reimbu	irsement:	

General Notes:

Estimate is based on standard rates for materials, labor, and equipment.

Current ES&GA Rate:

CASCADE NATURAL GAS CORPORATION	
2" MAIN CREDENCATED	

MATERIALS

2" MDPE Pipe Part#: PPE-355	
2" Epoxy Coaled Steel Pipe Grade B (20' Lengths) Part#: PFBE-355	
2" Epoxy Coaled Steel Pipe Part#: PFBE-356	
Tracer Wire Part#: H-115	
Test Station Marker Part#: H-105	
Burial Kit Part#: H-1030 & H1040	
Round Locate Coupon Part #: H-760	
1" Sav-a-valve Part#: NP-213	
2" Royston Wrap Part#: H-7	
4" Royston Wrap Part#: H-8	
Royston Primer Part#: H-12	
Trenton Underground Tape Part#: H-780	
Trenton Primer Part#: H-782	
2" Transition Part#: H-109	
2" Top Tap Stop Part#: SP-356	
2" Bottom Out Stop Part#: SP-358	
2" 90 Weld Ell Part#: EL-360	
2" Steel Service Tee Part#: TE-363	
2" PE Cap Part#: PCA-320	
2" Electro Coupler Part #: PCP-360	
2" PE Tee Part#: PTE-360	
2" PE 90 Ell Part#: PEL-360	
Marker Ball	
Misc Parts for Transition	
Sub-Total: Materials	

Item

TOTAL: Materials

ltem

CONTRACTOR LABOR

ltem		
Contractor Bid		
Mobilization		
2" PE Mobilization OT		1.2
2" PE Mobilization Dig		
2" PEMobilization Replace		
2" Steel Mobilization OT		
2" Steel Mobilization Dig		
2" Steel Mobilization Replace		
Pipe Installtion		
2" PE Install OT (ft)		
2" PE Install Dig (ft)		
2" PE Install Replace (ft)		
2" Steel Install OT (ft)		
2" Steel Install Dig (ft)		
2" Steel Install Replace (ft)		
2" PE & STL Missle/Hog shot (ft)		
2" PE Directional Bore (ft) **Dirt		
2" PE Directional Bore (ft) **Rock		
2" Steel Directional Bore (ft) **Dirt		
2" Steel Directional Bore (ft) **Rock		
Additional Tie-in Fittings (First included in mobilization)		
2" Tie-in, Top Tap (Each)		
2" Tie-in, Wrap Around (Each)		
2" or smaller 90's, tees, etc. (Each)		
2" Steel to PE Transition (Each)		
2" PE Cut & Cap (Each)		
2" Steel Cut & Cap (Each)		
4" Tie-in, Top Tap (Each)		
4" Tie-in, Wrap Around (Each)		
4" 90's, Tees, Etc (Each)		
4" Steel to PE Transition (Each)		
4" PE Cut & Cap (Each)		
4" PE Steel Cut & Cap (Each)		
6" Tie-in, Wrap Around (Each)		
6" 90's, Tees, Etc (Each)		
6" Steel to PE Transition		
6" PE Cut & Cap (Each)		
6" Steel Cut & Cap		
Blacktop		
Blacktop SawCut, per inch thickness per foot (ft* in.)	Depth (in)	Length (ft)
Blacktop SawCut, minimum charge		
Blacktop Remove Only (sq ft), assumes 4" depth		
Blacktop Remove and Replace up to 4" depth, (sq ft), under 400 sq ft		
Blacktop Remove and Replace up to 4" depth, (sq ft), over 400 sq ft		
Blacktop Remove and Replace, minimum charge (each)		
Blacktop Remove and Replace, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in)	Area (sq ft)
Blacktop Disposal, (ton)		
Concrete		

Concrete SawCut, per inch thickness per foot (ft* in)	Depth (in): Length (ft)	
Concrete SawCut, minimum charge (each) Concrete Remove (sq ft), up to 4" depth	REDACTED	EXHIBIT A3
Concrete sidewalk break, remove and replace 4" thick under 400 sq ft	REDACTED	
Concrete sidewalk break, remove and replace 4" thick over 400 square feet.		
Concrete sidewalks break, remove, replace over 4" thick, 1" increments		
Concrete street break, remove and replace up to 8" thick Concrete street over 8" thick break, remove and replace, 1" increments	30	
Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in): 4 Area (sq ft)	
Concrete Place (sq ft), up to 4" depth		
Concrete Place, per additional depth in Inches over 4" per square footage (in*sq ft) Concrete Remove and Replace, minimum charge (each)	Depth (in): 4 Area (sq ft)	
Concrete Disposal, per ton		
New Fill Material Cold Mix, in place (sq ft)		
CDF, per cubic yard (cu yard)		
Gravel, pit run, in place (cu yard)		
Crushed rock, cinder, in place (cu yard) Lava rock, in place (cu yard)		
Sand, in place (cu yard)		
Topsoil (cu yard)		
Beauty Bark (cu yard)		
Sod Remove/Replace (sq fl) Sand bags, in place (Each)		
Haul off extra material, (cu yard)		
Missellansous Items		
Miscellaneous Items Trenching over 3' deep, per foot of trench (ft)		-
Trench Shoring, per foot of trench (ft)		
Frost over 3", per foot of trench (ft)		
Rock saw mobilization Rock saw 6" wide, 30" deep, per foot of trench (ft)		
Rock saw 6 "wide, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches)	Depth (in): Length (ft)	
Jackhammer, hyd. Backhoe 30" Deep, per foot (ft)		
Jackhammer, hyd. Backhoe, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches) Rock, Hard pan, per foot of trench (ft)	Depth (in): Length (ft)	
Additional tie-in hole or bell hole, (Each)		
Bell Hole Shoring, (sq ft)		
Street Plates 5X7 daily per plate Street Plates 7X12 daily per plate	Plates Days Days	
Install barricade or guard post, lump sum	Flates Days	
Flagging that requires a traffic plan, per hour (hr)		
Service Drill - 2" & smaller - 100' minimum, 200' maximum		
Meter Sets		
Install HPSS, per each (each)		
Fabricate meter set 10P - drawings attached in CP 685, per each (each) Fabricate meter set 11 - drawings attached in CP 685, per each (each)		
Fabricate meter set 11P - drawings attached in CP 685, per each (each)		
Fabricate meter set 12 - drawings attached in CP 685, per each (each)		
Fabricate meter set 12P - drawings attached in CP 685, per each (each) Fabricate meter set 13P - drawings attached in CP 685, per each (each)		
Fabricate meter set 14P - drawings attached in CP 685, per each (each)		
Fabricate meter set 15P - drawings attached in CP 685, per each (each)		
Additional Labor and T&M Rates		
JD 310 Backhoe with operator		-
Backhoe 580K with hydraulic jackhammer & operator		
Dump truck & driver Vacuum trailer only (no operator)		
Welding rig with welder & helper		
Superintendent		
Foreman Welder Foreman		
Welder/Journeyman		
BOA Welder		
Fuser Welder Helper		
Operator		
Laborer		
Overtime Rates		
Superintendent		
Foreman		
Welder Foreman Welder/Journeyman		
BOA Welder		
Fuser		
Welder Helper Operator		
Laborer		
Per Diem Will be negotiated between contractor and owner		
2 Person crew per diem per hour		
3 Person crew per diem per hour		
Crew per diem per person per day		
Other:		

Sub-Total: Contractor Labor					
1	Enter Correct Sales Tax:	REDACTE	ר 💷] 	EXHIBIT A3
TOTAL: CONTRACTOR LABOR		I LEDI (OTEL		Contingency	
Trench volume calculator:		Length (ft):	Width (ft):	Depth (ft):	Volume (yds): <mark>\$ -</mark>
Concrete/blacktop tonnage calculator:		Length (ft):	Width (ft):	Depth (in):	Weight (tons): \$ -
CNGC LABOR CNGC Travel Time (to and from project) Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer					
District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew + Control Equipment Mechanic					
Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utililit Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Travel Time					\$ -
CNGC Company Labor (inspection and miscellaneous rec Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew + Control Equipment Mechanic Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utility) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic	y)	n).			
Sub-Total: CNGC Company Labor				Contingency	
TOTAL: CNGC LABOR					\$-\$-
EQUIPMENT CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup 1 Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Trench Plow Combo 35-100 hp Skid-Steer Loader Tractor WBackhoe-Front End Loader Air Compressors Welders (Gas Operated) Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42" Bucket Caterpillar 314 Track Hoe with 36" Bucket Caterpillar D5G Dozer					
Delivery Charge Sub-Total: Rented Equipment					
TOTAL: EQUIPMENT					
OTHER Travel, Food and Lodging Expenses Gasoline Hotel and Meals (out of town labor) Meals (in town labor) Miscellaneous expenses (OT) Permits					
Sub-Total: Other					
TOTAL: OTHER					

REDACTED

EXHIBIT A4

PROJECT DETAILS

ESTIMATOR:	
DISTRICT:	
CITY:	
DATE:	

DESCRIPTION:

AHO APARTMENTS 106 UNIT WEST RICHLAND KEENE RD PHASE 7 EXTENSION AND RUPERT

ESTIMATED IN SERVICE DATE:

			Costs for feasibilty worksheets and PowerPlan		Total estimated cost for project authorization
CNGC Cost Summary	Subtotal Direct Cost	Contingency Cost	Total Direct Cost	CNGC Corporate Overhead	Total Project Costs
Materials					
1" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Materials					
4" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Labor		and a state of the	Contraction of the		
1" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Equipment			Stores and the stores of		
1" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other					
1" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Contractor Labor			¢0.00	\$0.00	V UCC
1" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Contractor Labor			1	40100	ţuiuu
4" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CNGC Facility Costs	100				,
TOTAL PROJECT COST					
Total Pipe Footage	190	feet	Total Estimated Cost I	Per Foot:	
Reimbursable Projects	Enter FIT		Total Cost For Reimbu		

General Notes:

Estimate is based on standard rates for materials, labor, and equipment.

Current ES&GA Rate:

CASCADE NATURAL GAS CORPORATION
2" MAIN ORE DACTED

MATERIALS

EXHIBIT A4

	MATERIALS
2" MDPE Pipe Part#: PPE-355	
2" Epoxy Coated Steel Pipe Grade B (20' Lengths) Part#: PFBE-355	
2" Epoxy Coated Steel Pipe Part#: PFBE-356	
Tracer Wire Part#: H-115	
Test Station Marker Part#: H-105	
Burial Kit Part#: H-1030 & H1040	
Round Locate Coupon Part #: H-760	
1" Sav-a-valve Part#: NP-213	
2" Royston Wrap Part#: H-7	
4" Royston Wrap Part#: H-8	
Royston Primer Part#: H-12	
Trenton Underground Tape Part#: H-780	
Trenton Primer Part#: H-782	
2" Transilion Part#: H-109	
2" Top Tap Stop Part#: SP-356	
2" Bottom Out Stop Part#: SP-358	
2" 90 Weld Ell Part#: EL-360	
2" Steel Service Tee Part#: TE-363	
2" PE Cap Part#: PCA-320	
2" Electro Coupler Part #: PCP-360	
2" PE Tee Part#: PTE-360	
2" PE 90 Ell Part#: PEL-360	
Marker Ball]
Misc fittings	
	1
	1
	1
	1
	1
	1
	1
Sub-Total: Materials	

ltem

ltem

TOTAL: Materials

CONTRACTOR LABOR

Contractor Bid

Contractor Bid		
Mobilization		
2" PE Mobilization OT		
2" PE Mobilization Dig		
2" PEMobilization Replace		
2" Steel Mobilization OT		
2" Steel Mobilization Dig		
2" Steel Mobilization Replace		
Pipe Installtion		
2" PE Install OT (ft)		
2" PE Install Dig (ft)		
2" PE Install Replace (ft)		
2" Steel Install OT (ft)		
2" Steel Install Dig (ft)		
2" Steel Install Replace (ft)		
2" PE & STL Missle/Hog shot (ft)		
2" PE Directional Bore (ft) **Dirt		
2" PE Directional Bore (ft) **Rock		
2" Steel Directional Bore (ft) **Dirt		
2" Steel Directional Bore (ft) **Rock		
Additional Tie-in Fittings (First included in mobilization)		
2" Tie-in, Top Tap (Each)		
2" Tie-in, Wrap Around (Each)		
2" or smaller 90's, tees, etc. (Each)		
2" Steel to PE Transition (Each)		
2" PE Cut & Cap (Each)		
2" Steel Cut & Cap (Each)		
4" Tie-in, Top Tap (Each)		
4" Tie-in, Wrap Around (Each)		
4" 90's, Tees, Etc (Each)		
4" Steel to PE Transition (Each)		
4" PE Cut & Cap (Each)		
4" PE Steel Cut & Cap (Each)		
6" Tie-in, Wrap Around (Each)		
6" 90's, Tees, Etc (Each) 6" Steel to PE Transition		
6" PE Cut & Cap (Each)		
6" Sleel Cut & Cap		
Blacktop		
Blacktop SawCut, per inch thickness per foot (ft* in.)	Depth (in)	Length (
Blacktop SawCut, minimum charge		
Blacktop Remove Only (sq ft), assumes 4" depth		
Blacktop Remove and Replace up to 4" depth, (sq ft), under 400 sq ft		
Blacktop Remove and Replace up to 4" depth, (sq ft), over 400 sq ft		
Blacktop Remove and Replace, minimum charge (each)		
Blacktop Remove and Replace, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in)	Area (sq
Blacktop Disposal, (ton)		
Concrete		

Concrete SawCut, per inch thickness per foot (ft* in)	Depth (in):	Length (ft)
Concrete SawCut, minimum charge (each)		
Concrete Remove (sq ft), up to 4" depth	REI	DACTED
Concrete sidewalk break, remove and replace 4" thick under 400 sq ft		
Concrete sidewalk break, remove and replace 4" thick over 400 square feet.		
Concrete sidewalks break, remove, replace over 4" thick, 1" increments		
Concrete street break, remove and replace up to 8" thick		
Concrete street over 8" thick break, remove and replace, 1" increments		30
Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in):	4 Area (sq ft)
Concrete Place (sq ft), up to 4" depth		
Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in):	4 Area (sq ft)
Concrete Remove and Replace, minimum charge (each) Concrete Disposal, per ton		
Concrete Disposal, per ton		
New Fill Material		
Cold Mix, in place (sq ft)		
CDF, per cubic yard (cu yard)		
Gravel, pit run, in place (cu yard)		
Crushed rock, cinder, in place (cu yard)		
Lava rock, in place (cu yard)		
Sand, in place (cu yard)		
Topsoil (cu yard)		
Beauty Bark (cu yard)		
Sod Remove/Replace (sq ft)		
Sand bags, in place (Each)		
Haul off extra material, (cu yard)		
Miscellaneous Items		
Trenching over 3' deep, per foot of trench (ft)		
Trench Shoring, per foot of trench (ft)		
Frost over 3", per foot of trench (ft)		
Rock saw mobilization		
Rock saw 6" wide, 30" deep, per foot of trench (ft)	B	
Rock saw 6" wide, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches) Jackhammer, hyd. Backhoe 30" Deep, per foot (ft)	Depth (in):	Length (ft)
Jackhammer, hyd. Backhoe 30" Deep, per toot (tt) Jackhammer, hyd. Backhoe, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches)	Donih (-)	I and the 10th
Rock, Hard pan, per foot of trench (ft)	Depth (in):	Length (ft)
Additional tie-in hole or bell hole, (Each)		
Bell Hole Shoring, (sq ft)		
Street Plates 5X7 daily per plate	Plates	Days
Street Plates 7X12 daily per plate	Plates	Days
Install barricade or guard post, lump sum	1 14,60	Days
Flagging that requires a traffic plan, per hour (hr)		
Service Drill - 2" & smaller - 100' minimum, 200' maximum		
 A CONSISTENCES AND ACCOUNTING ACCOUNTING AND ACCOUNTING ACCOUNTING AND ACCOUNTING ACCOUNTING AND ACCOUNTING ACCOUNTING AND ACCOUNTING ACCOU		
Meter Sets		
Install HPSS, per each (each)		
Fabricate meter set 10P - drawings attached in CP 685, per each (each)		
Fabricate meter set 11 - drawings attached in CP 685, per each (each)		
Fabricate meter set 11P - drawings attached in CP 685, per each (each)		
Fabricate meter set 12 - drawings attached in CP 685, per each (each)		
Fabricate meter set 12P - drawings attached in CP 685, per each (each)		
Fabricate meter set 13P - drawings attached in CP 685, per each (each)		
Fabricate meter set 14P - drawings attached in CP 685, per each (each)		
Fabricate meter set 15P - drawings attached in CP 685, per each (each)		
Additional Labor and T&M Rates		
JD 310 Backhoe with operator		
JD 310 Backhoe with operator Backhoe 580K with hydraulic jackhammer & operator		
Dump truck & driver		
Vacuum trailer only (no operator)		
Welding rig with welder & helper		
Superintendent		
Foreman		
Welder Foreman		
Welder/Journeyman		
BOA Welder		
Fuser		
Welder Helper		
Operator		
Laborer		
Overtime Rates		
Superintendent		
Foreman		
Welder Foreman		
Welder/Journeyman		
BOA Welder		
Fuser		
Welder Helper		
Operator		
Laborer		
Per Diam Will be negotiated between contractor and owner		
Per Diem Will be negotiated between contractor and owner		
2 Person crew per diem per hour		
3 Person crew per diem per hour		
Crew per diem per person per day		
Other:		
Uniti.		
	1.	

Sub-Total: Contractor Labor					\$
	Enter Correct Sales Tax:	REDACTE	D	Contingency	EXHIBIT A4
TOTAL: CONTRACTOR LABOR					\$
Trench volume calculator:		Length (ft):	Width (ft):	Depth (fl):	Volume (yds): <mark>\$</mark>
Concrete/blacktop tonnage calculator:		Length (fl):	Width (ft):	Depth (in):	Weight (tons):
CNGC LABOR CNGC Travel Time (to and from project) Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer				Copin (uy.	rogin (Ono): 🧳 🦷
District 3 Man Crew (Comb Welder, Operator, Utillity) District 3 Man Crew + Control Equipment Mechanic					
Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utillity) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Travel Time					
CNGC Company Labor (inspection and miscellaneous record Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer	d keeping/documentatio	n).			
District 3 Man Crew (Comb Welder, Operator, Utillity) District 3 Man Crew + Control Equipment Mechanic					
Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utilility) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Company Labor					
TOTAL: CNGC LABOR					
EQUIPMENT CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Trench Plow Combo 35-100 hp Skid-Steer Loader Tractor w/Backhoe-Front End Loader Air Compressors Welders (Gas Operated)					
Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42" Bucket Caterpillar 314 Track Hoe with 36" Bucket Caterpillar How Pack Caterpillar D5G Dozer Delivery Charge					
Sub-Total: Rented Equipment					
TOTAL: EQUIPMENT					
OTHER Travel, Food and Lodging Expenses Gasoline Hotel and Meals (out of town labor) Meals (in town labor) Miscellaneous expenses (OT) Permits					
Sub-Total: Other					
TOTAL: OTHER					

PROJECT DETAILS

ESTIMATOR:		Research and the second
DISTRICT:		200 Barris
CITY:		
DATE:	2	

Current ES&GA Rate:

1936

DESCRIPTION:

Heights at Red Mountain, New Residential Home Development in West Richland, wA 99.5 Acers for New Single Family residences, and Multi Family Residence.

ESTIMATED IN SERVICE DATE:

× .			Costs for feasibilty worksheets and PowerPlan		Total estimated cost for project authorization
CNGC Cost Summary	Subtotal Direct Cost	Contingency Cost	Total Direct Cost	CNGC Corporate Overhead	Total Project Costs
Materials				A STATE OF STATE	
1" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Materials	- 				
6" Materials					
CNGC Labor					
1" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" CNGC Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Equipment					
1" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other					
1" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6" Other				* ****	ţ
Contractor Labor	Care constant and a state				AND DESCRIPTION OF
1" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2" Contractor Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4" Contractor Labor					
6" Contractor Labor					
CNGC Facility Costs					
TOTAL PROJECT COST					
Total Pipe Footage	14,000	feet	Total Estimated Cost	Per Foot:	
Reimbursable Projects	Enter FIT		Total Cost For Reimb	ursement:	53
FIT is 10.94% in WA and 11.7% in OR.	Litter Fit		Total Cost For Relind		

General Notes:

Estimate is based on standard rates for materials, labor, and equipment.

CASCADE NATURAL CAS CORDORATION

	CASCAL			CORPORATION	
	Item		DAC	r₩DE	Quantity
	Kem	МА	TERIALS		Quantity
4" MDPE Pipe Part#: PPE-560					
4" Epoxy Coated Steel Pipe Part#: PFBE-550X42					
Tracer Wire Part#: H-115					
Test Station Marker Part#: H-105					
Burial Kit Part#: H-1030 & H1040					
Round Locate Coupon Part #: H-760					
1" Sav-a-valve Part#: NP-213					
2" Royston Wrap Part#: H-7					
4" Royston Wrap Part#: H-8					
Royston Primer Part#: H-12					
Trenton Underground Tape Part#: H-780 Trenton Primer Part#: H-782					
4" Transition Part#: H-110					
4" Top Tap Stop Part#: SP-556					
4" Bottom Out Stop Part#: SP-554					
4" 90 Weld Ell Part#: EL-555					
4" PE Cap Part#: PCA-520					
4" Electro Coupler Part #: PCP-570					
4" PE Tee Part#: PTE-560					
4" PE Ell Part#: PEL-560					
Misc Parts		and the second			
	The second second second				
The second second second second second					
Sub-Total: Materials			11000		
TOTAL: Materials					
					_
		CONTRA	CTOR LA	BOR	
	Item				
Contractor Bid					
Mobilization					
					-
4" PE Mobilization OT					
4" PE Mobilization Dig 4" PE Mobilization Replace					
4" Steel Mobilization OT					
4" Steel Mobilization Dig					
4" Steel Mobilization Replace					
Pipe Installtion					
4" PE Install OT (ft)					
4" PE Install Dig (ft)					
4" PE Install Replace (ft)					
4" Steel Install OT (ft)					
4" Steel Install Dig (ft)					
4" Steel Install Replace (ft)					
4" PE & STL Missle/Hog shot (ft)					
4" PE Directional Bore (ft) **Dirt 4" PE Directional Bore (ft) **Rock					
4" Steel Directional Bore (ft) **Dirt					
4" Steel Directional Bore (ft) **Rock					
Additional Tie-in Fittings (First included in	mobilization)				
2" Tie-in, Top Tap (Each)					_
2" Tie-in, Wrap Around (Each)					
2" or smaller 90's, tees, etc. (Each)					
2" Steel to PE Transition (Each)					
2" PE Cut & Cap (Each)					
2" Steel Cut & Cap (Each)					
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each)					
4" 90's, Tees, Etc (Each)					
4" Steel to PE Transition (Each)					
4" PE Cut & Cap (Each)					
4" PE Steel Cut & Cap (Each)					
6" Tie-in, Wrap Around (Each)					
6" 90's, Tees, Etc (Each)					
6" Steel to PE Transition					
6" PE Cut & Cap (Each)					
6" Steel Cut & Cap					
Disables					
Blacktop	<u>`</u>		Death ()		-
Blacktop SawCut, per inch thickness per foot (ft* in Blacktop SawCut, minimum charge	-/		Depth (in)	Length (ft)	
Blacktop SawCut, minimum charge Blacktop Remove Only (sq ft), assumes 4" depth					
Blacktop Remove and Replace up to 4" depth, (sq	ft), under 400 sa ft				
Blacktop Remove and Replace up to 4" depth, (sq Blacktop Remove and Replace up to 4" depth, (sq					
Blacktop Remove and Replace up to 4 deput, (sq Blacktop Remove and Replace, minimum charge (
Blacktop Remove and Replace, per additional dep			Depth (in)	Area (sq ft)	
Blacktop Disposal, (ton)					
Concrete					
Concrete SawCut, per inch thickness per foot (ft* in))		Depth (in):	Length (ft)	
Concrete SawCut, minimum charge (each)					

Backhoe 580K with hydraulic jackhammer & operator Dump truck & driver Vacuum traller only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman BOA		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Pur Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Pur Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Pur Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Pur Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Pur Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour Crew per diem per person per day		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Per Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour Strew per diem per person per day		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder/Journeyman BOA Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Por Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Per Diem Will be negotiated between contractor and owner 2 Person crew per diem per hour 3 Person crew per diem per hour		
Dump truck & driver Vacuum trailler only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Forerator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman W		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Helper Operator Laborer Puser Per Diem Will be negotiated between contractor and owner		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman Welder Foreman Welder Helper Operator		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Foreman BOA Welder Fuser		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman Welder Journeyman BOA Welder		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder BOA Welder BOA Welder Helper Operator Laborer Overtime Rates Superintendent Foreman Welder Foreman Welder Foreman		
Dump truck & driver Vacuum träller only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates Superintendent Foreman		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser User Welder Helper Operator Laborer Overtime Rates Superintendent		
Dump truck & driver Vacuum trailler only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder/Journeyman BOA Welder BOA Welder Fuser Welder Helper Operator Laborer Overtime Rates		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman BOA Welder Fuser Welder Helper Operator Laborer		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder/Journeyman BOA Welder Fuser Welder Helper Operator		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder/Journeyman BOA Welder Fuser Welder Helper Operator		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder/Journeyman BOA Welder Fuser		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman Welder/Journeyman BOA Welder		
Dump truck & driver /acuum trailier only (no operator) Velding rig with welder & helper Superintendent Foreman Welder Foreman Nelder/Journeyman		
Dump truck & driver Vacuum trailier only (no operator) Welding rig with welder & helper Superintendent Foreman Welder Foreman		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent Foreman		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper Superintendent		
Dump truck & driver Vacuum trailer only (no operator) Welding rig with welder & helper		
Dump truck & driver Vacuum trailer only (no operator)		
Dump truck & driver		
Backhoe 580K with hydraulic jackhammer & operator		
JD 310 Backhoe with operator		
Additional Labor and T&M Rates		
aunous molei eel tor - diaminge anaoneu in or oos, per easil (easil)		
Fabricate meter set 14P - drawings attached in CP 685, per each (each) Fabricate meter set 15P - drawings attached in CP 685, per each (each)		
Fabricate meter set 13P - drawings attached in CP 685, per each (each)		
Fabricate meter set 12P - drawings attached in CP 685, per each (each)		
Fabricate meter set 12 - drawings attached in CP 685, per each (each)		
Fabricate meter set 11P - drawings attached in CP 685, per each (each)		
Fabricate meter set 11 - drawings attached in CP 685, per each (each)		
Fabricate meter set 10P - drawings attached in CP 685, per each (each)		
install HPSS, per each (each)		
Meter Sets		
Service Drill - 2" & smaller - 100' minimum, 200' maximum		
Flagging that requires a traffic plan, per hour (hr)		
Install barricade or guard post, lump sum		
Street Plates 7X12 daily per plate	Plates	Days
Street Plates 5X7 daily per plate	Plates	Days
Bell Hole Shoring, (sq ft)		
Additional tie-in hole or bell hole, (Each)		
Rock, Hard pan, per foot of trench (ft)	Behn (m):	Lendin (ii)
Jackhammer, hyd. Backhoe, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches)	Depth (in):	Length (ft)
Jackhammer, hyd. Backhoe 30" Deep, per foot (ft)		
Rock saw 6" wide, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches)	Depth (in):	Length (ft)
Rock saw 6" wide, 30" deep, per foot of trench (ft)		
Rock saw mobilization		
Frost over 3", per foot of trench (ft)		
Trench Shoring, per foot of trench (ft)		
Trenching over 3' deep, per foot of trench (ft)		
Miscellaneous Items		
Haul off extra material, (cu yard)		
Sand bags, in place (Each)		
Sod Remove/Replace (sq ft)		
Beauty Bark (cu yard)		
Topsoil (cu yard)		
Sand, in place (cu yard)		
_ava rock, in place (cu yard)		
Crushed rock, cinder, in place (cu yard)		
Gravel, pit run, in place (cu yard)		
CDF, per cubic yard (cu yard)		
Cold Mix, in place (sq ft)		
New Fill Material		
Concrete Disposal, per ton		
	Bopti (iii).	/ (sq it)
Concrete Remove and Replace, minimum charge (each)	Depth (in):	Area (sq ft)
Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	Boput (ii).	/ica (sq it)
Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in):	Area (sq ft)
Concrete Remove, per additional depth in inches over 4" per square footage (in sq ft) Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in sq ft)		
Concrete Remove, per additional depth in inches over 4" per square footage (in sq ft) Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in sq ft)		
Concrete street over 8" thick break, remove and replace, 1" increments Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft) Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)		
Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)		
Concrete street break, remove and replace up to 8" thick Concrete street over 8" thick break, remove and replace, 1" increments Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft) Concrete Place (sq ft), up to 4" depth Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	REDACI	
concrete sidewalks break, remove, replace over 4" thick, 1" increments concrete street break, remove and replace up to 8" thick concrete street over 6" thick break, remove and replace, 1" increments concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft) concrete Place (sq ft), up to 4" depth concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	REDACT	FD

TOTAL: CONTRACTOR LABOR	REDACTED		EXHIBIT A5
Trench volume calculator:	Length (ft):	Width (ft): Depth (ft):	Volume (yds): \$ -
Concrete/blacktop tonnage calculator:	Length (ft):	Width (ft): Depth (in):	Weight (tons): \$ -
CNGC LABOR CNGC Travel Time (to and from project) Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer District 3 Man Crew (Comb Welder, Operator, Utility) District 3 Man Crew + Control Equipment Mechanic Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utility) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Travel Time			
CNGC Company Labor (inspection and miscellaneous record keeping/documentation) Metering & Electronic Inspector A Control Equipment Mechanic Distribution Clerk A Combination Welder Service Line Welder Backhoe Operator Utility A Laborer District 3 Man Crew (Comb Welder, Operator, Utiliity)			
District 3 Man Crew + Control Equipment Mechanic Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utillity) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Company Labor			
TOTAL: CNGC LABOR]
EQUIPMENT CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 3000-59999 GVWR Trucks 3000-59999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Trench Plow Combo 35-100 hp Skid-Steer Loader Tractor W/Backhoe-Front End Loader Air Compressors Welders (Gas Operated) Sub-Total: CNGC Equipment			
Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42" Bucket Caterpillar 314 Track Hoe with 36" Bucket Caterpillar How Pack Caterpillar D5G Dozer Delivery Charge	_		
Sub-Total: Rented Equipment			
TOTAL: EQUIPMENT]
OTHER Travel, Food and Lodging Expenses Gasoline Hotel and Meals (out of town labor) Meals (in town labor) Miscellaneous expenses (OT) Permits			
Sub-Total: Other			
TOTAL: OTHER			

	CASCADE	NATURAL GA	S CORPORATIO	DN .			
	ltem	6" MAIN COST E		E	Unit Cost	Total	EXHIBIT A5
	Rem	MATERIAL	,		Unit Cost	Total	
6" MDPE Pipe Part#: PPE-660							
6" Xtru Coated Steel Pipe Part#: 650X52							
6" Epoxy Coated Steel Pipe Part#: PFBE-652X52							
Tracer Wire Part#: H-115							
Test Station Marker Part#: H-105							
Burial Kit Part#: H-1030 & H1040 Round Locate Coupon Part #: H-760							
1" Sav-a-valve Part#: NP-213							
2" Royston Wrap Part#: H-7							
4" Royston Wrap Part#: H-8							
Royston Primer Part#: H-12							
Trenton Underground Tape Part#: H-780							
Trenton Primer Part#: H-782							
6" Transition Part#: H-732							
6" Bottom Out Stop Part#: SP-655							
6" 90 Weld Ell Part#: EL-657X52							
6" PE Cap Part#: PCA-620 6" Electro Coupler Part #: PCP-650							
6" PE Tee Part#: PTE-665							
6" PE Ell Part#. PEL-660							
Misc Parts and Fittings							
Coupler							
and the second second second second							
Sub-Total: Materials							
TOTAL: Materials							
TOTAL. Materials							
		CONTRACTOR I	ABOR				
	Item						
Contractor Bid							
Mobilization							
6" PE Mobilization OT							
6" PE Mobilization Dig							
6" PE Mobilization Replace							
Pipe Installtion							
6" PE Install OT (ft)							
6" PE Install Dig (ft)							
6" PE Install Replace (ft)							
6" PE Directional Bore (ft) **Dirt							
6" PE Directional Bore (ft) **Rock							
Additional Tie-in Fittings (First included i	in mobilization)						
2" Tie-in, Top Tap (Each)							
2" Tie-in, Wrap Around (Each) 2" or smaller 90's, tees, etc. (Each)							
2" Steel to PE Transition (Each)							
2" PE Cut & Cap (Each)							
2" Steel Cut & Cap (Each)							
4" Tie-in, Top Tap (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steol to FZ Transition (Each) 4" PE Cut & Cap (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90s, Tess, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to PE Transition (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" 90's, Tees, Etc (Each)							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" Steel to F Transition (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" 90's, Tees, Etc (Each) 6" Steel to PE Transition							
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4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" 90's, Tees, Etc (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" 90's, Tees, Etc (Each) 6" Steel to PE Transition 6" PE Cut & Cap (Each) 6" Steel Cut & Cap							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Eto (Each) 4" PE Steel Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel Cut & Cap Blacktop							
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tess, Eto (Each) 4" PE Steel Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel cut & Cap (Each) 6" Steel Cut & Cap Blacktop Blacktop SawCut, per inch thickness per foot (ft*	in.)	Depth (in)	Length (ft)				
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" 9C Lut & Cap (Each) 4" PE Steel Cot & Cap (Each) 6" 9C Lut & Cap (Each) 6" 90's, Tees, Etc (Each) 6" 90's, Tees, Etc (Each) 6" Steel to PE Transition 6" PE Cut & Cap (Each) 6" Steel Cut & Cap Blacktop Blacktop SawCut, per inch thickness per foot (fit*		Depth (in)	Length (ft)				
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Stein, Wrap Around (Each) 4" Steel to PE Transition (Each) 4" PE Steel Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel Cut & Cap Elacktop SawCut, per inch thickness per foot (ft Blacktop SawCut, minimum charge Blacktop Remove Only (sq ft), assumes 4" depth		Depth (in)	Length (ft)				
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Etc (Each) 4" 90's, Tees, Etc (Each) 4" PE Cut & Cap (Each) 4" PE Steel Cut & Cap (Each) 6" Tie-in, Wrap Around (Each) 6" 90's, Tees, Etc (Each) 6" Steel to PE Transition 6" Steel to PE Transition 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap (Each) 6" Steel Cut & Cap (Each) Blacktop SawCut, per inch thickness per foot (fit Blacktop SawCut, minimum charge	n ag ft), under 400 sq ft	Depth (in)	Length (ft)				
4" Tie-in, Top Tap (Each) 4" Tie-in, Wrap Around (Each) 4" Tie-in, Wrap Around (Each) 4" 90's, Tees, Ete (Each) 4" 9E Steel (DE Transition (Each) 4" PE Steel (DE (ach) 6" 70's, Tees, Ete (Each) 6" 90's, Tees, Ete (Each) 6" Steel 10 PE Transition 6" Steel 10 PE Transition 6" Steel 10 PE Transition 6" Steel Cut & Cap Elacktop SavCut, per inch thickness per foot (ft" Blacktop SawCut, minimum charge Blacktop Remove and Replace up to 4" depth, (s Blacktop Remove and Replace, minimum charge	i q ft), under 400 sq ft iq ft), over 400 sq ft		Length (ft)				

Blacktop Disposal, (ton)

Concrete			
Concrete SawCut, per inch thickness per foot (ft* in)	Depth (in):	Length (ft)	
Concrete SawCut, minimum charge (each)		REDACTE	D
Concrete Remove (sq ft), up to 4" depth			_
Concrete sidewalk break, remove and replace 4" thick under 400 sq ft			
Concrete sidewalk break, remove and replace 4" thick over 400 square feet.			
Concrete sidewalks break, remove, replace over 4" thick, 1" increments			
Concrete street break, remove and replace up to 8" thick			
Concrete street over 8" thick break, remove and replace, 1" increments			
Concrete Remove, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in):	Area (sq ft)	
Concrete Place (sq ft), up to 4" depth			
Concrete Place, per additional depth in inches over 4" per square footage (in*sq ft)	Depth (in):	Area (sq ft)	
Concrete Remove and Replace, minimum charge (each)			
Concrete Disposal, per ton			
New Fill Material			
Cold Mix, in place (sq ft)			
CDF, per cubic yard (cu yard)			
Gravel, pit run, in place (cu yard)			
Crushed rock, cinder, in place (cu yard)			
Lava rock, in place (cu yard)			
Sand, in place (cu yard)			
Topsoil (cu yard)			
Beauty Bark (cu yard)			
Sod Remove/Replace (sq ft)			
Sand bags, in place (Each)			
Haul off extra material, (cu yard)			
Miscellaneous Items			
Trenching over 3' deep, per foot of trench (ft)			
Trench Shoring, per foot of trench (ft)			
Frost over 3", per foot of trench (ft)			
Rock saw mobilization			
Rock saw 6" wide, 30" deep, per foot of trench (ft)			
Rock saw 6" wide, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches)	Depth (in):	Length (ft)	
Jackhammer, hyd. Backhoe 30" Deep, per foot (ft)			
Jackhammer, hyd. Backhoe, depth > 30", per 12" incr. (enter total addit. depth over 30" in inches)	Depth (in):	Length (ft)	
Rock, Hard pan, per foot of trench (ft)			
Additional tie-in hole or bell hole, (Each)			
Bell Hole Shoring, (sq ft)			
Street Plates 5X7 daily per plate	Plates	Days	
Street Plates 7X12 daily per plate	Plates	Days	
Install barricade or guard post, lump sum			
Flagging that requires a traffic plan, per hour (hr)			
Service Drill - 2" & smaller - 100' minimum, 200' maximum			
Hatas Cata			
Meter Sets			
Install HPSS, per each (each)			
Fabricate meter set 10P - drawings attached in CP 685, per each (each)			
Fabricate meter set 11 - drawings attached in CP 685, per each (each)			
Fabricate meter set 11P - drawings attached in CP 685, per each (each)			
Fabricate meter set 12 - drawings attached in CP 685, per each (each)			
Fabricate meter set 12P - drawings attached in CP 685, per each (each)			
Fabricate meter set 13P - drawings attached in CP 685, per each (each)			
Fabricate meter set 14P - drawings attached in CP 685, per each (each)			
Fabricate meter set 15P - drawings attached in CP 685, per each (each)			
Additional Labor and T&M Rates			
JD 310 Backhoe with operator			
Backhoe 580K with hydraulic jackhammer & operator			
Dump truck & driver			
Vacuum trailer only (no operator)			
Welding rig with welder & helper			
Superintendent			
Foreman			
Welder Foreman			
Welder/Journeyman			
BOA Welder			
Fuser			
Welder Helper			
Operator			
Laborer			
Overtime Rates			
Superintendent			
Foreman			
Welder Foreman			
Welder/Journeyman			
BOA Welder			
Fuser			
Welder Helper			
Operator			
Laborer			

Crew per diem per person per day	R	EDACT
Other:		
Miso Expense		
Sub-Total: Contractor Labor		
Enter Correct Sales	Tax:	
TOTAL: CONTRACTOR LABOR		
Trench volume calculator:	Length (ft):	Width (ft)
Concrete/blacktop tonnage calculator:	Length (ft):	Width (ft)
CNGC LABOR CNGC Travel Time (to and from project)		
Metering & Electronic Inspector A		Hours
Control Equipment Mechanic		Hours
Distribution Clerk A Combination Welder		Hours Hours
Service Line Welder		Hours
Backhoe Operator		Hours
Utility A Laborer		Hours Hours
District 3 Man Crew (Comb Welder, Operator, Utilility) District 3 Man Crew + Control Equipment Mechanic		Hours Hours
Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utility)		Hours
Overtime Rate: District 3 Man Crew + Control Equipment Mechanic Sub-Total: CNGC Travel Time		Hours
CNGC Company Labor (inspection and miscellaneous record keeping/documer	ntation).	10000000
Metering & Electronic Inspector A Control Equipment Mechanic		Hours Hours
Distribution Clerk A		Hours
Combination Welder		Hours
Service Line Welder		Hours
Backhoe Operator Utility A		Hours
Laborer		Hours
District 3 Man Crew (Comb Welder, Operator, Utility)		Hours
District 3 Man Crew + Control Equipment Mechanic		Hours
Overtime Rate: District 3 Man Crew (Comb Welder, Operator, Utillity) Overtime Rate: District 3 Man Crew + Control Equipment Mechanic		Hours
Sub-Total: CNGC Company Labor		Hours
TOTAL: CNGC LABOR		
EQUIPMENT		
CNGC Vehicles (per mile rate)		
CNGC Vehicles (per mile rate) Compact Car		Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup		Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV		
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV		Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV Full Size SUV		Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup		Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup		Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup Tucks 14001-19500 GVWR		Miles Miles Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR		Miles Miles Miles Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Trachor Trailer all GWW		Miles Miles Miles Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 1 Tucks 14001-19500 GVWR Tucks 3000-59999 GVWR Trackor Trailler all GVW CNGC Equipment (per hour rate) Trench Piow Combo 35-100 hp		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1/2 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-59999 GVWR Trucks 2000-59999 GVWR		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 34 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 34001-196 GVWR CNGC Equipment (per hour rate) Trench Plow Combo 35-100 hp Skid-Steet Loader Tractor wi/Backhoe-Front End Loader		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1/2 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Trench Piov Combo 35-100 hp Skid-Steer Loader Tractor w/Backhoe-Front End Loader Air Compressors		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 14001-19500 GVWR Trucks 14001-19500 GVWR Trucks 14001-19500 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 14001-19500 GVWR Trucks 14000 GVWR Trucks 14000 GVWR Trucks 14000 GVWR Trucks 14000 GVWR Trucks 14000 GVWR Trucks 1		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & Ton Van 1/2 Ton Pickup 3/4 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 3000-59999 GVWR Trucks 3000-59999 GVWR Trucks Cequipment (per hour rate) Trench Piew Combo 35-100 hp Skid-Steer Loader Tractor ruller all GVW Welders (Gas Operated) Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1,2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Trucks 19501-32999 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3290 GVWR Trucks 19501-3290 GVWR Trucks 19501-3290 Truck Guerpillar S20 Track Hoe with 42* Bucket		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1/2 Ton Pickup 1 Ton Pickup 1 Ton Pickup 1 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 3000-59999 GVWR Trucks 3000-59999 GVWR Tracks 3000-59999 GVWR Tracks 7000-59999 GVWR Trucks 7000-59999 GVWR Tracks 7000-59999 GVWR Trucks 7000-59999 GVWR Trucks 7000-59999 GVWR Tracks 7000-59999 GVWR Trucks 7000-5999 GVWR Trucks 70	*	Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2 Jon Pickup 1/2 Ton Pickup 1/2 Ton Pickup 1/2 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 19501-32999 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks Caterpillar 314 Truck Hoe with 42* Bucket Caterpillar 314 Track Hoe with 36* Buc		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours Hours Week Week Week Week
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1/2 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 3050-59999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Trench Piow Combo 35-100 hp Skid-Steer Loader		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours Hours Hours Hours Hours Hours Hours
CNGC Vehicles (per mile rate) Compact Car Compact Plokup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Plokup 3/4 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 3000-59999 GVWR Tracks 3000-5999 GVWR Tracks 3000-59999 GVWR Tracks 3000-5999 GVWR Tracks 3000-5999 GVWR Tracks 3000-5999 GVWR Tracks 3000-5999 GVWR Tracks 3000-590 GVWR Track 4000 GWWR GWR 400 GWR 400 GWR GWR 400 GWR 40		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours Hours Week Week Week Week
CNGC Vehicles (per mile rate) Compact Car Compact Plokup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Plokup 3/4 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 3000-59999 GVWR Tracks 3000-5999 GVWR Tracks 3000-59999 GVWR Tracks 3000-5999 GVWR Tracks 3000-5999 GVWR Tracks 3000-5999 GVWR Tracks 3000-5999 GVWR Tracks 3000-590 GVWR Track 4000 GWWR GWR 400 GWR 400 GWR GWR 400 GWR 40	•	Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours Hours Week Week Week Week
CNGC Vehicles (per mile rate) Compact Plokup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Plokup 3/4 Ton Plokup 3/4 Ton Plokup 1/2 Ton Plokup 1/2 Ton Plokup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 3000-59999 GVWR Trackot Trailer all GVW CNGC Equipment (per hour rate) Trench Plow Combo 35-100 hp Skid-Steer Loader Tractor w/Backhoe-Front End Loader Air Compressors Welders (Gas Operated) Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42° Bucket Caterpillar 320 Track Hoe with 36° Bucket Caterpillar 314 Track Hoe with 36° Bucket Caterpillar How Pack Caterpillar How Pack Caterpillar How Pack Caterpillar SD Dozer Delivery Charge Sub-Total: Rented Equipment TOTAL: EQUIPMENT OTHER		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours Hours Hours Hours Hours Hours Week Week Week Week
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12 Ton Pickup 3/4 Ton Vikup 1/2 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 1950-5999 GVWR Tractor Trailer all GVW CNGC Equipment (per hour rate) Trench Piew Combo 35-100 hp Skid-Steer Loader Tractor Wlackhoe-Front End Loader Air Compressors Welders (Gas Operated) Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 320 Track Hoe with 42° Bucket Caterpillar 320 Track Hoe with 36° Bucket Caterpillar 314 Track Hoe with 36° Bucket Caterpillar S20 Track Hoe with 36° Bucket Caterpillar S30 Track Hoe with 36° Bucket Caterpillar DSG Dozer Delivery Charge Sub-Total: Rented Equipment TOTAL: EQUIPMENT OTHER Travel, Food and Lodging Expenses Gasoline		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours
CNGC Vehicles (per mile rate) Compact Car Compact Plokup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Plokup 3/4 Ton Plokup 3/4 Ton Plokup 1/2 Ton Plokup 1/		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours
CNGC Vehicles (per mile rate) Compact Car Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 11 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 33000-59999 GVWR Trucks 3000-59999 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3299 GVWR Trucks 19501-3290 GVWR CNGC Equipment (per hour rate) Tractor w/Backhoe-Front End Loader Air Compressors Welders (Gas Operated) Sub-Total: CNGC Equipment Rental Equipment (inquire locally for unit rate) Water Truck Caterpillar 314 Track Hoe with 42° Bucket Caterpillar 134 Track Hoe with 36° Bucket Caterpillar How Pack	•	Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours
CNGC Vehicles (per mile rate) Compact Pickup Mid-Size SUV Compact Van Full Size SUV 1/2, 3/4 & 1 Ton Van 1/2 Ton Pickup 3/4 Ton Pickup 1/2 Ton Pickup		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours
CNGC Vehicles (per mile rate) Compact Pickup Mid-Size SUV Compact Van Full Size SUV 12 Ton Pickup 3/4 Ton Pickup 1/2 Ton Pickup 1/2 Ton Pickup 1/2 Ton Pickup Trucks 14001-19500 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 19501-32999 GVWR Trucks 2000-59999 GVWR Trucks 2000-5999 GVWR Trucks 2000-5999 GVWR Trucks 2000-59999 GVWR Trucks 2000-5999 GVWR Trucks 2000-599 GUB-TOTAL: EQUIPMENT OTHER Trucks 2000-5900-5900 GUB-TOTAL: EQUIPMENT OTHER Trucks 2000-5900-5900 GUB-TOTAL: EQUIPMENT OTHER Trucks 2000-5900-5900-5900 GUB-TOTAL: Funcks 2000-5900-5900-5900-5900 GUB-TOTAL: Funcks 2000-5900-5900-5900-5900-5900-5900-5900-		Miles Miles Miles Miles Miles Miles Miles Miles Miles Miles Hours