



## CITY of NOVI CITY COUNCIL

**Agenda Item 2**  
**December 19, 2011**

**SUBJECT:** Approval to award procurement of a Truck-Mounted Combination (Jet and Vacuum) Sewer Cleaner to Jack Doheny Supplies, Inc. in the amount of \$345,915.

**SUBMITTING DEPARTMENT:** Department of Public Services / Water & Sewer Division

**CITY MANAGER APPROVAL:**

<b>EXPENDITURE REQUIRED</b>	<b>\$345,915</b>
<b>ADDITIONAL AMOUNT REQUIRED</b>	<b>\$0</b>
<b>LINE ITEM NUMBER</b>	<b>592-000.00-140.000 (Water &amp; Sewer Fund)</b>

### BACKGROUND INFORMATION:

The Novi City Council allocated \$350,000 towards the purchase of a replacement combination sewer (jet and vacuum) cleaning truck in the fiscal year 2011-12 budget. A combination sewer cleaning truck is a vital tool for performing operations and maintenance required of the Water & Sewer Division. Sanitary sewer maintenance includes annual cleaning programs to meet State mandated requirements. The new unit will enhance DPS sewer cleaning programs and support Novi's sanitary infrastructure.

The new Vactor brand unit will replace the existing Vactor truck in the City's fleet, which is 11 years old and beyond its useful life. The specifications for this equipment enhance service to the community by allowing for increased capacities of the clean water tanks and the truck's debris body, which increases production time in the field. The improved efficiency of the new unit is provided by an enhanced chassis engine, improved fan and blower systems, and a more efficient auxiliary engine to provide up to 34 percent better fuel economy and up to 10% less water use than the current unit. In addition, the Vactor unit will have two rear axles instead of a single axle, which will help ensure the truck meets legal load restrictions on Novi's roads.

The Vactor 2100 Plus unit would be procured through the National Intergovernmental Purchasing Alliance (NIPA) with Jack Doheny Supplies Inc. of Northville, Michigan. NIPA aggregates purchasing volume of participating agencies in order to receive larger volume discounts from suppliers. All master agreements are publicly solicited, awarded, and held by a principal procurement agency, which in this case is the City of Rochester Hills for Vactor units. NIPA serves as a government cooperative purchasing organization for agencies nationwide.

The new Vactor price is \$375,915, as depicted on page 5 of the NIPA pricing sheets. The trade-in allowance for the current unit is \$30,000, bringing the net price of the new unit to \$345,915. The procurement of this combination sewer cleaning truck results in a savings of \$4,085 (\$350,000 estimated less the \$347,915 net expenditure). Delivery will take place in

first quarter of FY2012-13, as each unit is manufactured to the specific needs of each customer.

**RECOMMENDED ACTION:** Approval to award procurement of a Truck-Mounted Combination (Jet and Vacuum) Sewer Cleaner to Jack Doheny Supplies, Inc. in the amount of \$345,915.

	1	2	Y	N
<b>Mayor Gatt</b>				
<b>Mayor Pro Tem Staudt</b>				
<b>Council Member Casey</b>				
<b>Council Member Fischer</b>				

	1	2	Y	N
<b>Council Member Margolis</b>				
<b>Council Member Mutch</b>				
<b>Council Member Wrobel</b>				



Vactor 2100 Plus





**National Intergovernmental Purchasing Alliance NIPA**

Contract Holder: Jack Doheny Companies

<b>DEALER:</b>	<b>Jack Doheny Supplies, Inc.</b>				
<b>Customer:</b>	<b>City of Novi Water &amp; Sewer Division</b>	<b>Date:</b>	<b>December 1, 2011</b>		
<b>2100 Plus Series Combination Fan NIPA Price Worksheets</b>					
<b>ENTER QUANTITY IN YELLOW CELLS ONLY</b>					
		<b>QTY</b>	<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
<b>MODEL</b>	<b>PLUS COMBINATION SEWER CLEANER</b>				
<b>2115-J4F-PLUS</b>	Centrifugal Fan Single Stage Air Conveyance System-15 Yard Debris Body Capacity W/1300 Gallon Water Capacity / Mounted on IH Harvester 7500 Series 6x4 chassis 350 HP Allison Automatic Transmission (per the attached specifications)	<b>1</b>	\$ 296,600.00	\$ 296,600.00	\$ 281,770.00
<b>STANDARD EQUIPMENT INCLUDED</b>					
			STD	STD	STD
009PSTD - Fan	Under Engine Aluminum Toolbox (Weather Proof Lockable)		STD	STD	STD
010PSTD - PD	Aluminum Toolbox 48x22x24 (Weather Proof Lockable)		STD	STD	STD
011PSTD	Aluminum Fenders		STD	STD	STD
012PSTD	Mud Flaps		STD	STD	STD
014PSTD	Electric/Hydraulic Four Way Boom		STD	STD	STD
016PSTD	Color Coded Sealed Electrical System		STD	STD	STD
018PSTD	Remote Pendant Control With 35' Cord		STD	STD	STD
019PSTD	Vansco-Electronic Package: Vactor includes as standard-Chassis Tach, Blower Tach, Operating Mode, PTO Mode, Hydraulic Oil Temp Shutdown, (E-STOP-turns off rodder pump, turns off PTO A and PTO B, shuts off Aux Engine (if equipped), sets chassis throttle back to idle. Disables vacuum (opens vacuum disable).E-Stop Located @ Front Reel Controls, Rear Reel Controls, Pendant, Wireless Control ( If Equipped) and At Dump Control Location Machine Functions and Diagnostics (Chassis and Module)		STD	STD	STD
020PSTD	Double Acting Dump Hoist Cylinder		STD	STD	STD
022PSTD	2" Y-Strainer With 25' Fill Hose		STD	STD	STD
025PSTD	Handgun Assy. W/35' x 1/2" Hose With Quick Disconnects		STD	STD	STD
026PSTD	Ex-Ten 1/4 in. Steel Cylindrical Debris Tank		STD	STD	STD
030PSTD	Flexible Hose Guide		STD	STD	STD
032PSTD	(3) Nozzles with Carbide Inserts with Nozzle Rack/1-30°, SAND 1-30° Sanitary, 1-15°Penetrator		STD	STD	STD
045PSTD	Standard Suction Tube Storage: Curbside below waist level (2) Pipe, Rear Door 2 Pipe; Twist-Lock Clamps		STD	STD	STD
046PSTD	1" Nozzle Pipe		STD	STD	STD
1001PSTD	Flat Rear Door W/Hydraulic Locks and Door Power Up, Power Down Open/Close Feature (NO GRABBER)		STD	STD	STD
1005PSTD	Dual 10" Stainless Steel Float Shut Off System /Rear Mounted		STD	STD	STD
1016PSTD - PD	SS Microstrainer Prior to Blower		STD	STD	STD



## National Intergovernmental Purchasing Alliance NIPA

Contract Holder: Jack Doheny Companies

1024PSTD	Debris Body Vacuum Relief System		STD	STD	STD
1031PSTD	Debris Deflector Plate		STD	STD	STD
1032PSTD	48" Dump Height (1000 Gallon Capacity)		STD	STD	STD
1033PSTD	60" Dump Height (W/1300 & 1500 Gallons Water)		STD	STD	STD
2022PSTD	Water Sight Gauge RS/LS		STD	STD	STD
2023PSTD	Liquid Float Level Indicator		STD	STD	STD
3002PSTD (Fan)	4 Cylinder John Deere Tier III (J4 Fan Units)		STD	STD	STD
3008PSTD - PD	Blower Airshift Controls in Cab		STD	STD	STD
4000PSTD	180 Degree Rotation Non Telescopic Boom, Front loading 8" Suction Hose		STD	STD	STD
4005PSTD	Boom Transport Cradle		STD	STD	STD
5001PSTD	80 GPM Variable Flow Water System		STD	STD	STD
5011PSTD	3" Y-Strainer @ Water Pump with 3" Drain Valve		STD	STD	STD
5012PSTD	Performance Package: (Hyd Variable Flow, Dual PTO's, Dual Hyd Pumps)		STD	STD	STD
5014PSTD	WATER RELIEF VALVE, 1" - FOR VACTOR WATER PUMP		STD	STD	STD
5015PSTD	Midship Handgun Coupling		STD	STD	STD
5022PSTD	Side Mounted Water Pump		STD	STD	STD
6000PSTD	400'x 1" Sewer Hose 2500 PSI		STD	STD	STD
6004PSTD	Hose Wind Guide (Dual Roller)		STD	STD	STD
6005PSTD	Hose Footage Counter Front Side Of Hose Reel-Mechanical		STD	STD	STD
6007PSTD	Hose Reel Manual Hyd Extend/Retract		STD	STD	STD
6009PSTD	Hose Reel Chain Cover (Full)		STD	STD	STD
6020PSTD	Hydraulic Extending 15" Hose Reel (800'x 1") Capacity		STD	STD	STD
7001PSTD	Tachometer/Chassis Engine W/Hourmeter		STD	STD	STD
7006PSTD - Fan	Tachometer & Hourmeter/Aux Eng		STD	STD	STD
7007PSTD - PD	Tachometer & Hourmeter/Blower		STD	STD	STD
8000PSTD	Circuit Breakers		STD	STD	STD
8025PSTD	Led Lights, Clearance, Back Up, Stop,Tail & Turn		STD	STD	STD
9000PSTD	1+1 Vactor Manual-Partial Manual And CD Version		STD	STD	STD
9002PSTD	Tow Hooks, Front And Rear		STD	STD	STD
9003PSTD	Electronic Back-Up Alarm		STD	STD	STD
P110STD	Module Paint Wet-On-Wet (DuPont)		STD	STD	STD
S390ASTD	8" Vacuum Pipe Package		STD	STD	STD
S560STD	Emergency Flare Kit		STD	STD	STD
S590STD	Fire Extinguisher 5 Lbs.		STD	STD	STD
<b>DEBRIS TANK ACCESSORIES</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
1003P	DEBRIS BODY FLUSH OUT SYSTEM	1	\$ 1,375.00	\$1,375.00	\$1,306.25
1007P	6" BUTTERFLY VALVE/REAR DOOR LOCATED 3:00 POSITION WITH FIXED BASKET SCREEN	1	\$ 1,095.00	\$1,095.00	\$1,040.25
1009PB	INTERNAL PERFORATED SCREEN FOR PUMP OFF PORTS ONLY	1	\$ 635.00	\$635.00	\$603.25
1012P	6" DECANT SYSTEM WITH AIR OPERATED KNIFE VALVE - FORWARD MOUNTED W/SCREEN	1	\$ 2,125.00	\$2,125.00	\$2,018.75
1014P	CENTRIFUGAL SEPARATOR REAR MOUNTED (PLUS STYLE)	1	\$ 4,820.00	\$4,820.00	\$4,579.00
1015P	(3) PIPE FOLDING PIPE RACK/CURBSIDE	1	\$ 955.00	\$955.00	\$907.25



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1015PA	(3) PIPE FOLDING PIPE RACK/STREET SIDE	1	\$ 955.00	\$955.00	\$907.25
1022P	SPLASH SHIELD - BOLTED TO BODY FLANGE REAR DOOR	1	\$ 1,400.00	\$1,400.00	\$1,330.00
1023P	LUBE MANIFOLD	1	\$ 2,085.00	\$2,085.00	\$1,980.75
<b>WATER TANK ACCESSORIES</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
2001P	LOW WATER LIGHT AND ALARM AND WATER PUMP FLOW INDICATOR-GPM	1	\$ 595.00	\$595.00	\$565.25
2011P	3" Y-STRAINER IN LIEU OF 2" AT WATER TANK FILL	1	\$ 400.00	\$400.00	\$380.00
2017P	1500 GALLON WATER CAPACITY - ADDITIONAL ON 15 YD UNITS/6X4 CHASSIS REQUIRED WILL HAVE 60" DUMP HEIGHT ( DEPENDING ON CHASSIS FRAME HEIGHT)	1	\$ 1,250.00	\$1,250.00	\$1,187.50
<b>VACUUM SYSTEM ACCESSORIES / OPTIONS - FAN UNITS</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
3003PC	TWO STAGE FAN W/JOHN DEERE PLUS 6-CYLINDER ENGINE AND FLUID COUPLER	1	\$ 19,400.00	\$19,400.00	\$18,430.00
3013PA	LEVEL II-VAC-ON-THE-GO DRIVEN VIA THE AUXILIARY ENGINE This utilizes hydraulic system from the auxiliary engine. Does not require an automatic transmission. LEVEL II is for the cleaning of drying beds, vacuuming leaves and debris along curbs.	1	\$ 2,800.00	\$2,800.00	\$2,660.00
<b>BOOM ACCESSORIES</b>			<b>NIPA Pricing</b>	<b>EXT Pricing</b>	<b>EXT Pricing</b>
4004P	8 FT. HYDRAULIC TELESCOPIC BOOM WITH 180 DEGREE ROTATION	1	\$ 12,900.00	\$12,900.00	\$12,255.00
4006P	JOYSTICK CONTROL FOR BOOM FUNCTION (1) - FRONT	1	\$ 725.00	\$725.00	\$688.75
4011PB	T300 OMNEX REMOTE CONTROL BELLY PACK - WIRED OR WIRELESS CAPABILITY. (THIS SYSTEM WILL ACTIVATE ALL BOOM FUNCTIONS (UP, DOWN ,LEFT, RIGHT, (IN & OUT IF SO EQUIPPED) VACUUM RELIEF ON/OFF, RODDER PUMP ON/OFF, THROTTLE UP/DOWN, E-STOP, HOSE REEL PAY IN/PAY OUT, HOSE REEL SPEED CONTROL, WATER PRESSURE CONTROL	1	\$ 2,850.00	\$2,850.00	\$2,707.50
<b>HIGH PRESSURE WATER PUMP</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
5002PA	80 GPM/2500 PSI WATER SYSTEM - ILO STD WATER SYSTEM	1	STD	STD	STD
5008PB	EXTREME COLD WEATHER RECIRCULATION SYSTEM – MINIMUM 25 GPM - <b>DRIVEN FROM ALLISON AUTOMATIC TRANS</b>	1	\$ 1,575.00	\$1,575.00	\$1,496.25
5010P	ACCUMULATOR SYSTEM FOR JET RODDER WATER SYSTEM	1	\$ 2,550.00	\$2,550.00	\$2,422.50
5015P	FRONT AND REAR HANDGUN COUPLERS	1	\$ 485.00	\$485.00	\$460.75
5021P	HYDRO EXCAVATION KIT/ RETRACTABLE REEL W/50' X 3/8" HOSE, HANDGUN & PLUMBING ( <u>MUST HAVE OPTIONS #5010 ACCUMULATOR ON THE MACHINE</u> ) (THIS IS NOT AVAILABLE ON CATCH BASIN UNITS)	1	\$ 3,150.00	\$3,150.00	\$2,992.50



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5023P	FAN FLUSH OUT SYSTEM	1	\$ 475.00	\$475.00	\$451.25
<b>HOSE REEL ACCESSORIES</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
6002PF	600' X 1" PIRANHA ARMOR BELT BEACON SEWER HOSE	1	\$ 1,925.00	\$1,925.00	\$1,828.75
6004PB	INDEXING-AUTOMATIC HOSE LEVEL WIND GUIDE	1	\$ 4,785.00	\$4,785.00	\$4,545.75
6005PD	DIGITAL HOSE COUNTER	1	\$ 1,585.00	\$1,585.00	\$1,505.75
6011P	HANDGUN HOSE REEL - SPRING RETRACTABLE REEL WITH 50' HOSE ASSEMBLY - MOUNTED CURBSIDE ON TOP OF 9071PE TOOLBOX OR ON CAB GUARD VERTICAL POST	1	\$ 1,185.00	\$1,185.00	\$1,125.75
6017P	HYDRAULIC SHUT - OFF VALVES AT SUCTION, RETURN AND FILTER LINE (3)	1	\$ 1,425.00	\$1,425.00	\$1,353.75
6019P	RODDER PUMP DRAIN VALVES (2)	1	\$ 460.00	\$460.00	\$437.00
6020PB	TELESCOPING ROTATING HOSE REEL W/DUAL CONTROLS - CAPACITY, 800' X 1" PIRANHA OR AERO-QUIP, 700' X 1" PIRANHA ARMOR BELT SEWER HOSE, 700' X 1" PIRANHA ARMOR BELT BEACON SEWER HOSE	1	\$ 14,800.00	\$14,800.00	\$14,060.00
6020JD	DEDUCT FOR SINGLE CONTROLS ON FRONT PANEL ONLY	1	\$ (5,200.00)	-\$5,200.00	-\$4,940.00
<b>LIGHT ACCESSORIES</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
8001PE	L.E.D. SPLIT ARROW TRAFFIC CONTROLLER-TWO PIECE 10 LIGHTS - REAR ONLY - LED	1	\$ 1,475.00	\$1,475.00	\$1,401.25
8003P	HAND LIGHT WITH RETRACTABLE REEL	1	\$ 515.00	\$515.00	\$489.25
8020PE	FS DOT 3 - 6 LIGHT SYSTEM - FED SIG. MIRROR MOUNT STROBES, 2 MID-SHIP, 2 REAR WATER TANK MOUNTED OVAL LED QUAD FLASH STROBES	1	\$ 2,665.00	\$2,665.00	\$2,531.75
8029P	LED-WORK LIGHT/REAR DOOR	1	\$ 570.00	\$570.00	\$541.50
8029PA	LED-WORK LIGHT AT OPERATOR STATION (EACH)	1	\$ 600.00	\$600.00	\$570.00
8029PB	LED-WORK LIGHT @ HOSE REEL MANHOLE (EACH)	1	\$ 600.00	\$600.00	\$570.00
8029PC	LED_WORK LIGHT @ CURB SIDE	1	\$ 450.00	\$450.00	\$427.50
8029PD	LED_WORK LIGHT @ STREET SIDE	1	\$ 450.00	\$450.00	\$427.50
<b>CHASSIS ACCESSORIES / OPTIONS</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
9023P	SAFETY CONE STORAGE RACK	1	\$ 150.00	\$150.00	\$142.50
<b>TOOLBOXES AND TOOLTRAYS=====ALUMINUM</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
<b>Series 9070P</b>	<b><u>MOUNTED FRONT BUMPER &amp; LONG HANDLE TOOL STORAGE</u></b> <b><u>Aluminum Toolboxes</u></b>				
9070PA	46849MQ/16x12x18 TOOLBOXES (2) PD or FAN 4X2 & 6X4 CHASSIS 1000, 1300, 1500 GALLON CAPACITIES LOCATED FRONT BUMPER	1	\$ 1,815.00	\$1,815.00	\$1,724.25



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<b>Series 9071P</b>	<b><u>BEHIND CAB TOOLBOXES AND TOOL TRAYS</u></b> <b><u>CONTACT THE DOHENY SUPPLIES FOR CORRECT CHASSIS WHEELBASE AND C.A.</u></b>				
9071PE	46849AB/16W x 30H x 96D-TOOLBOX PD or FAN 6X4 CHASSIS ONLY 1000, 1300, 1500 GALLON CAPACITIESPD Appropriate Cab To Axle Is Required For Dual Access	1	\$ 2,895.00	\$2,895.00	\$2,750.25
<b>Series 9075P</b>	<b><u>MOUNTED DRIVERS SIDE-MODULE SUB FRAME</u></b> <b>Aluminum Toolboxes</b>				
9075PA	46849MH/60W x 20H x 12D-TOOLBOX FAN ONLY 4X2 AND 6X4 CHASSIS 1000, 1300, 1500 GALLON CAPACITIES Mounted Laterally Beneath Aux Eng	1	\$ 1,350.00	\$1,350.00	\$1,282.50
<b>PAINT</b>	*****		<b>NIPA Pricing</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>
***	<b>MATCH CAB - YES OR NO</b>				
<b>P110STD</b>	<b>MODULE - DUPONT (WET-ON-WET)</b>	1	<b>STD</b>	<b>STD</b>	<b>STD</b>
***	<b>ENTER COLOR AND PAINT CODE</b>				
<b>PLUS-VECTOR DECALS / YOU MUST CHOOSE COLOR YOU REQUIRE</b>		*****			
<b>P124W</b>	<b>VECTOR BODY DECAL-WHITE</b>	1	<b>N/C</b>	<b>N/C</b>	<b>N/C</b>
<b>SPARE PARTS/ACCESSORIES</b>			<b>Price/Item</b>	<b>EXT Pricing</b>	<b>After NIPA 5% Discount</b>

PRICING SUMMARY		EXT Pricing	After NIPA 5% Discount
<b>TOTAL OPTIONS</b>		\$99,100.00	\$94,145.00
<b>TOTAL UNIT PRICE</b>		\$296,600.00	\$281,770.00
<b>FREIGHT CHARGE (FOB: MI, IN, OH)</b>		\$0.00	
<b>TOTAL FOB: MI, IN, OH SALE PRICE</b>		\$395,700.00	\$375,915.00 *
<b>SPECIAL INSTRUCTIONS</b>			
Note: RFP-RH-10-078 Freight charges included at no charge to any MI, IN or OH location			
All other delivery locations - Enter Appropriate Charges from 2011 North American Factory Delivery Rates (See Attached Rate Chart)			