

GO2EPA METHODS												
DEMAND TYPE							NETWORK MODE		PATTERN METHOD			
Name	descript	Data from			Losses strategy		Name	descript	id	Name	descript	where?
		descript	units	where?	descript	where?						
NODE ESTIMATED	Estimated values for node using demand multiplier for the whole analysis	Estimated values	same units choosed on options dialog	inp_junction (demand)	Nothing	NODE	Arcs are exported 'as is' from database to EPANET. Flows from connec are distributed on arc parent 50%-50% node1 & node2.	11	UNIQUE ESTIMATED (NODE)	Synthetic pattern for the whole system applied to nodes	dialog options (pattern_id)	
				12				DMA ESTIMATED (NODE)	Synthetic pattern for each dma applied to nodes	dma.pattern_id		
				13				NODE ESTIMATED (NODE)	Synthetic pattern for each node applied to nodes	inp_junction.pattern_id		
CONNEC ESTIMATED	Estimated values for node connec demand multiplier for the whole analysis			inp_connec (demand)		PJOINT	Exported arcs are trimmed using vnode. Flows are joined on vnode trimming arc on the fly Elevation comes from connec.elevation. In case of null values it is interpolated from node1-node2.	21	UNIQUE ESTIMATED (PJOINT)	Synthetic pattern for the whole system applied to pjoint	dialog options (pattern_id)	
								22	DMA ESTIMATED (PJOINT)	Synthetic pattern for each dma applied to pjoint	dma.pattern_id	
								23	CONNEC ESTIMATED (PJOINT)	Synthetic pattern for each connec joining it and apply the result to pjoint	inp_connec.pattern_id	
SIMPLIFIED PERIOD	Period values for each hydrometer calibrated using demand multiplier for the whole analysis	CRM period	m3/period		Nothing	NODE	Arcs are exported 'as is' from database to EPANET. Flows from connec are distributed on arc parent 50%-50% node1 & node2.	31	UNIQUE PERIOD (NODE)	Synthetic pattern for the whole system applied into nodes	dialog options (pattern_id)	
								32	HYDRO PERIOD (NODE)	Synthetic pattern for each hydrometer applied into nodes	ext_hydrometer_category_x_pattern ext_hydrometer_x_value (pattern_id)	
						PJOINT	Exported arcs are trimmed using vnode. Flows are joined on vnode trimming arc on the fly Elevation values are token from connec.elevation. In case of null values it is interpolated from node1-node2	33	UNIQUE PERIOD (PJOINT)	Synthetic pattern for the whole system applied into pjoint	dialog options (pattern_id)	
								34	HYDRO PERIOD (PJOINT)	Synthetic pattern for each hydrometer applied into nodes	ext_hydrometer_category_x_pattern ext_hydrometer_x_value (pattern_id)	
DMA EFFICIENCY PERIOD	Period values for each hydrometer calibrated using efficiency factor for each dma			efficiency factor for each dma-period	ext_rtc_dma_period (effc)	NODE	Arcs are exported 'as is' from database to EPANET. Flows from connec are distributed on arc parent 50%-50% node1 & node2.	41	DMA PERIOD (NODE)	Synthetic pattern for each dma applied into nodes	ext_rtc_dma_period. (pattern_id)	
								42	HYDRO PERIOD (NODE)	Synthetic pattern for each hydrometer applied into nodes	ext_hydrometer_category_x_pattern ext_hydrometer_x_value (pattern_id)	
						PJOINT	Exported arcs are trimmed using vnode. Flows are joined on vnode trimming arc on the fly Elevation values are token from connec.elevation. In case of null values it is interpolated from node1-node2	43	DMA PERIOD (PJOINT)	Synthetic pattern for each dma applied into pjoint	ext_rtc_dma_period. (pattern_id)	
								44	HYDRO PERIOD (PJOINT)	Synthetic pattern for each hydrometer joining it and applying the result into pjoint.	ext_hydrometer_category_x_pattern ext_hydrometer_x_value (pattern_id)	
DMA PATTERN PERIOD	Period values for each hydrometer calibrated using real volume pattern for each dma			volume pattern for each dma-period	ext_rtc_dma_period (pattern_volume)	NODE	Arcs are exported 'as is' from database to EPANET. Flows from connec are distributed on arc parent 50%-50% node1 & node2.	51	DMA PERIOD (NODE)	Volume pattern for each dma applied into nodes	ext_rtc_dma_period. (pattern_id)	
								52	HYDRO PERIOD (NODE)	Synthetic pattern for each hydrometer applied into nodes calibrated with volume pattern for each dma	ext_hydrometer_category_x_pattern ext_hydrometer_x_value (pattern_id)	
						PJOINT	Exported arcs are trimmed using vnode. Flows are joined on vnode trimming arc on the fly Elevation values are token from connec.elevation. In case of null values it is interpolated from node1-node2	53	DMA PERIOD (PJOINT)	Volume pattern for each dma applied into pjoint	ext_rtc_dma_period. (pattern_id)	
								54	HYDRO PERIOD (PJOINT)	Synthetic pattern for each hydrometer joining it and applying the result into pjoint, calibrated with volume pattern for each dma	ext_hydrometer_category_x_pattern ext_hydrometer_x_value (pattern_id)	